Annals of the Rheumatic Diseases, **43**, 1984

INDEX TO VOLUME 43, 1984

P = Proceedings of the Heberden Society

AALBERSE RC *see* HACK C E *et al*
AARONS L *see* GRENNAN D M and AARONS L
ABADÍ I *see* RODRÍGUEZ M A *et al*
ADAM M and DEYL Z Degenerated annulus fibrosus of the intervertebral disc contains collagen type II 258: correction 540
Adjuvant arthritis, rat, gold exacerbating; correspondence 350
Adjuvant
  disease, possible, scleroderma, primary biliary cirrhosis, and Sjörgren's syndrome after cosmetic breast augmentation with silicone injection: case report 520
  induced arthritis, lymphoid abnormalities, rats. I. Mitogen responsiveness and lymphokine synthesis, 847
  polyarthritis, influence of rat strain and arthritogen on actions of gold drugs 111 *P*
Adolescents, joint mobility, quantitative measurements, 288
ADOLPHE M *see* JAFFRAY P *et al*
AFOKE N Y P, BYERS P D and HUTTON W C The incongruous hip joint: a loading study 295
AHERN M *see* SYMMONS D P M *et al*
AHERN M J, HALL N D, CASE K and MADDISON P J D-penicillamine withdrawal in rheumatoid arthritis 213
  see also KLOUDA P T *et al*
AKOĞLU T, TUNCER I, ERKEN E, GÜRÇAY A, ÖZER F L and ÖZCAN K Parasitic arthritis induced by *Strongyloides stercoralis:* case report 523
ALBISER G, NETTER P, FAURE G, HORN P, DELAGOUTTE J P and GAUCHER A Human articular cartilage and fibrocartilage: A study with high-angle x-ray diffraction 802
ALEGRIA J GARCIA *see* GARCIA-ALEGRIA J
ALI M R *see* ANDERSON N E and ALI M R
ALLAL J *see* THOMAS Ph *et al*
ALLISON M C and GALLAGHER P J Temporal artery biopsy and corticosteroid treatment 416
ALTMAN R D, TENENBAUM J, LATTA L, RISKIN W, BLANCO L N and HOWELL D S Biomechanical and biochemical properties of dog cartilage in experimentally induced osteoarthritis 83
AMBANELLI U *see* FERRACCIOLI G F *et al*
AMLOT P L *see* SYMMONS D P M *et al*
AMOS N *see* WOO P *et al*
Amyloid
  A protein, serum concentration, in progressive systemic sclerosis (scleroderma) 586
  in intervertebral discs, age distribution: correspondence 663
  disease, dimethylsulphoxide (DMSO) and colchicine therapy 421
Amyloidosis and systemic lupus erythematosus: case report 649
ANDERSEN Ø ROMBERG- *see* ROMBERG-ANDERSEN Ø
ANDERSON J A D *see* GRAHAME R *et al*
ANDERSON N E and ALI M R The lupus anticoagulant, pulmonary thromboembolism, and fetal pulmonary hypertension: case report 760
Angioimmunoblastic lymphadenopathy, and arthritis: correspondence 536
Angioneurotic oedema, localised form, rheumatoid synovitis 109 *P*
Ankylosing spondylitis
  absence of impaired lymphocyte transformation to *Klebsiella* spp. 590
  and arthritis of the middle ear: case report 658
  and employment 604
  HLA B27, and polymorphonuclear cell motility 279
  increased number of IgG-containing cells in rectal lamina propria 172
  klebsiella carriage modification by diet, correlation of klebsiella carriage with disease activity 196
  low back pain, sacroiliac tests, 2 studies 192
  North India, clinical and immunogenetic study 381
  radiological changes, men and women 570
  two-dimensional gel analysis in demonstration of non-structural alteration of HLA-B27 polypeptides 177
  and yersinia arthritis, immunoglobulins (M, G, and A) 186
Annulus fibrosus, degenerated, of intervertebral disc, contains collagen type II, 258: correction 540
ANSELL B M *see* BURGOS-VARGOS R *et al*
  DE VERE-TYNDALL A *et al*
  HALL P J *et al*
Antibodies, anti-idiotypic, use to demonstrate rheumatoid factor producing bone marrow cells in essential mixed cryoglobulinaemia: case report 651
  detection by new solid phase radioimmunoassay, striking association with thrombosis 122 *P*
Antiocardiolipin antibodies, occurrence in Behçet's syndrome 746

Antihypertensive therapy, systemic sclerosis (scleroderma), controlled trial 407
Antimitochondrial antibodies, and polymyalgia rheumatica 264
Antirheumatoid drugs, practical results of treatment 121 *P*
Apatite-associated destructive arthritis 120 *P*
Arthralgia, symmetrical, and shoulder-hand syndrome, in tubo-ovarian carcinoma 391
Arthritides, septic and non-septic, synovial fluid lactate levels 742
Arthritis
and angioimmunoblastic lymphadenopathy: correspondence 536
cryptococcal, and cellulitis: case report 508
disability in, measures 563
experimental, treatment with ^{177}Lu in chelator liposomes, rabbit 111 *P*
gonococcal, bacterial confirmation: correspondence 537
middle ear, in ankylosing spondylitis: case report 658
non-gouty, in sickle-cell disease, 37 consecutive cases 599
Arthritis and Rheumatism Council Multicentre Radiosynoviorthesis Trial Group Intraarticular radioactive yttrium and triamcinolone hexacetonide: an inconclusive trial 620
Armas P *see* Rodríguez M A *et al*
Arthropathy
acute sterile, pyogenic osteomyelitis presenting as 607
bilharzial 806
erosive and nonerosive, synovial protease/inhibitor ratios 50
Articular cartilage
cultured, oxygen free-radicals mediate an inhibition of proteoglycan synthesis 462
differential responses to retinol 833
and fibrocartilage, high-angle x-ray diffraction 802
Articular chondrocytes, cultured rabbit, effects of D-penicillamine on growth and cell cycle kinetics 333
in monolayer culture, normal human, identification of ectoenzyme, nucleoside triphosphate pyrophosphohydrolase 107 *P*
Asherson R A *see* Hull R G *et al*
Aspiration of retrocalcaneal bursa 308
Atkinson S J *see* Heath J K *et al*
Auranofin, gold nephropathy obscured by tolmetin pseudoproteinuria: case report 511
Aurothiomalate, sodium, free thiomalate in plasma and urine 66
Austin H A *see* Klippel J H *et al*
Autoantibodies
frequency to nRNP, Sm, Ro(SSA), and La(SSB), in connective tissue diseases 122 *P*
sicca syndrome (primary Sjögren's syndrome) 243
Autoimmune disease
cellular protein and RNA antigens 123 *P*
rheumatic, Greek patients, antibodies to cellular antigens, anti-Ro(SSA) antibody a possible marker of penicillamine-D intolerance 285
Ayad S *see* Evans H B *et al*
Ayed H Ben *see* Ben Ayed H
Ayed K *see* Hamza M *et al*

B lymphocytes, synovial fluid, spontaneous and induced immunoglobulin secretion, rheumatoid arthritis 140
Bacon P A *see* Farr M *et al*
Scott D G I *et al*
Scott D L *et al*
Symmons D P M *et al*
Bacon T *see* De Vere-Tyndall A *et al*
Bacterial phagocytosis, enhanced, peripheral blood monocytes, rheumatoid arthritis 435
Badley E M, Wagstaff S and Wood P H N Measures of functional ability (disability) in arthritis in relation to impairment of range of joint movement 563
Ball J *see* Hilton R C and Ball J
Balow J E *see* Klippel J H *et al*
Banks E *see* Fitzcharles M *et al*
Fitzcharles M A *et al*
Bányai A *see* Lukács K *et al*
Barber K E, Gow P J and Mayo K M A family with multiple muscoloskeletal abnormalities 275
Bard D R, Knight C G and Page-Thomas D P Treatment of a rabbit experimental arthritis with ^{177}Lu in chelator liposomes 111 *P*
Bardin T, Schumacher H R, Lansaman J, Rothfuss S and Dryll A Transmission electron microscopic identification of silicon-containing particles in synovial fluid: potential confusion with calcium pyrophosphate dihydrate and apatite crystals 624
Barnes C G *see* Davies P G *et al*
Thompson P W *et al*
Barth W F *see* Bunning R D and Barth W F
Bassan H M *see* Potasman I and Bassan H M
Bassiouni M and Kamel M Bilharzial arthropathy 806
Batchelor J R *see* Griffin A J *et al*
Bates E J, Lowther D A and Handley C J Oxygen free-radicals mediate an inhibition of proteoglycan synthesis in cultured articular cartilage 462
Batstone G F *see* Helliwell M *et al*
Becq-Giraudon B *see* Thomas Ph *et al*
Beer M *see* Ng K C *et al*
Revell P A *et al*
Behçet's disease
age and sex incidence, effect on prevalence and severity 783
anticardiolipin antibodies 746
pathergy test, Britain 70
among Turkish and British patients, comparative study 74
synovial fluid complement levels: correspondence 767
Belch J J F, Lowe G D O, Forbes C D, Capell H and Sturrock R D Increased 6-keto-PGF$_{1\alpha}$ levels and decreased red cell deformability in patients with systemic sclerosis 117 *P*
McArdle B, Madhok R, McLaughlin K, Capell H A, Forbes C D and Sturrock R D Decreased plasma fibrinolysis in patients with rheumatoid arthritis 774
Bell D A *see* LeRiche N G H and Bell D A
Ben Ayed H *see* Hamza M *et al*
Benfield G F A *see* Wright A *et al*
Benson M D *see* Scheinberg M A *et al*

BERNSTEIN R M, BUNN C C, HUGHES G R V, FRANCOEUR A M and MATHEWS M B Cellular protein and RNA antigens in autoimmune disease 123 *P*
MACKWORTH-YOUNG C G, SAVERYMUTU S H, GUPTA S, ENGLAND J P S and HUGHES G R V Yersinia arthritis: demonstration of occult enteritis by ^{111}indium leucocyte scanning: case report 493
BERTOUCH J V *see* GALE R *et al*
BESSAC B *see* HURST N P *et al*
BEVERLEY P C L *see* ISENBERG D A *et al*
BHARGAVA S *see* PRAKASH S *et al*
BIGNOLD L P *see* VERNON-ROBERTS B *et al*
Bilharzial arthropathy 806
Biliary cirrhosis, primary, scleroderma, and Sjögren's syndrome, after cosmetic breast augmentation with silicone injection, possible human adjuvant disease: case report 520
BINDER A *see* DE SILVA M *et al*
BINDER A I, BULGEN D Y, HAZLEMAN B L and ROBERTS S Frozen shoulder: a long-term prospective study 361
TUDOR J and WRAIGHT P Frozen shoulder: an arthrographic and radionuclear scan assessment 365
see also BULGEN D Y *et al*
Biotechnology, international symposium, Rome, April 1985, announcement 768
BIRD H A *see* SITTON N G *et al*
BJELLE A *see* HÄLLGREN R *et al*
BLACK C M *see* HAWKINS S *et al*
BLAKE D *see* WINYARD P *et al*
BLAKE D R, BRAILSFORD S, WINYARD P and LUNEC J A role for extracellular ferritin in inflammation 107 *P*
see also ROWLEY D *et al*
SCOTT D G I *et al*
BLANCO L N *see* ALTMAN RD *et al*
BLANN A *see* SCOTT D G I *et al*
WINYARD P *et al*
BLOWER P W and GRIFFIN A J Clinical sacroiliac tests in ankylosing spondylitis and other causes of low back pain—2 studies 192
BOEY M L *see* HARRIS E N *et al*
BOGDUK N, MAJOR G A C and CARTER J Lateral subluxation of the atlas in rheumatoid arthritis: a case report and post-mortem study: case report 341
BOGHOSSIAN S H, ISENBERG D A, WRIGHT G, SNAITH M L and SEGAL A W Effect of high-dose methylprednisolone therapy on phagocyte function in systemic lupus eruthematosus 541
BÖHM U *see* MERÉTEY K *et al*
Bone
cells, trabecular, cyclic AMP modulated by heparin 628
disease, assessment and treatment: conference report 660
formation, new and osteosclerosis, young and late onset rheumatoid arthritis, according to rheumatoid factor seropositivity: correspondence 661
joint, and connective tissue pathology meeting, Manchester, September 1984, announcement 352
and joint symptoms, Paget's disease 769
mass, in nodal primary generalised osteoarthrosis 240
resorption by copper, inhibition of prostaglandin action 841
possible role of osteoblasts 105 *P*
BONTOUX D *see* THOMAS PH *et al*
BONVOISIN B, CORDIER G, REVILLARD J P, LEJEUNE E and BOUVIER M Increased DNA and/or RNA content of synovial fluid cells in rheumatoid arthritis: a flow-cytometry study 222
BOOK REVIEWS
ANSELL B M and SIMKIN P A *editors* The heart and rheumatic disease, vol. 2. 397
BEIGHTON P, GRAHAME R and BIRD H Hypermobility of joints 1983 191
BULLOUGH P G and VIGORITA V J Atlas of orthopaedic pathology with clinical and radiological correlations 1984 766
CALLEN J P *editor* Clinics in rheumatic diseases, vol 8, no 2. Cutaneous lesions in the connective tissue disorders 1982 49
CAPELL H A, DAYMOND T J and DICK W C Rheumatic disease 1983 135
CASSIDY J T Textbook of pediatric rheumatology 1982 377
CLAUSTRE J and SIMON L *editors* Le pied en pratique rheumatologique: pathologie articularie 1983 59
Council of Biology Editors CBE style manual, 5th edn 1983 33
DICK W C and MOLL J M H *editors* Recent advances in rheumatology No. 3 1983 156
DIXON A ST J and GRABER J Local injection therapy in rheumatic diseases 1983 145
FORRESTER D and BROWN J C *editors* Radiological investigations in rheumatology. Clinics in rheumatic diseases. Vol. 9, No. 2. 1983 623
GHADIALLY F N Fine structure of synovial joints 1983 390
GRIFFITHS I D and PLATT P Multiple choice questions in rheumatology 1984 550
HUGHES J Footwear and footcare for adults 1983 127
Footwear and footcare for disabled children 1983 127
HUSKISSON E C *editor* Clinical pharmacology and therapeutic series. Vol. 3. Antirheumatic drugs 1983 263
JAYSON M I V and MILLION R *editors* Locomotor disability in general practice. Oxford General Practice Series 5 1983 23
JEFFERY M S and DICK W C Clinics in rheumatic diseases 1983 150
KEMP J and WINKLER J T Problems afoot: need and efficiency in footcare 1983 127
MCCULLOCH J A and MCNAB I Sciatica and chymopapain 1983 659
MOLL J M H Management of rheumatic disorders 1983 585
RICKETT J C and RADIN E L *editors* Chondromalacia of the patella 1983 294
SCHUR P H *editor* The clinical management of systemic lupus erythematosus 1983 385

Symposium/Workshop, London Hospital, March 1983. Advances in assessing rheumatoid arthritis. British Journal of Rheumatology Supplement 1983 7
WRIGHT V *editor* Bone and joint disease in the elderly 1983 326
BOUCHER B J *see* Ng K C *et al*
REVELL P A *et al*
BOURNE J T *see* CARTER S D *et al*
BOUVIER M *see* BONVOISIN B *et al*
BRADFIELD J *see* DIEPPE P A *et al*
BRADLEY B A *see* KLOUDA P T *et al*
BRADLEY J *see* GALE R *et al*
BRAILSFORD S *see* BLAKE D R *et al*
SCOTT D G I *et al*
WINYARD P *et al*
BRANDWEIN S R, MEDSGER T A, SKINNER M, SIPE J D, RODNAN G P and COHEN A S Serum amyloid A protein concentration in progressive systemic sclerosis (scleroderma) 586
BRAVO J R *see* RODRÍGUEZ M A *et al*
Breast augmentation, cosmetic, with silicone injection, scleroderma, primary biliary cirrhosis, and Sjögren's syndrome after, possible human adjuvant disease: case report 520
BRENNAND D *see* MADDISON P J *et al*
BRERETON J D *see* O'CONNON P *et al*
BREWER E J *see* GIANNINI E H *et al*
BREWERTON D A *see* STODELL M A *et al*
BRIGGS D *see* HALL P J *et al*
BROMLEY M, FISHER W D and WOOLLEY D E Mast cells at sites of cartilage erosion in the rheumatoid joint 76
Bronchiolitis obliterans, fatal, associated with chrysotherapy: correspondence 351
BROOKS P M *see* THOMAS D *et al*
VERNON-ROBERTS B *et al*
BROUGHAM P A, MCGILL P E and TULLOCH J Immune deposits at the dermoepidermal junction in patients with rheumatoid arthritis: correspondence 537
BROWN G and EMERY P *et al*
BROWN J *see* FRIES J F *et al*
BROWN K A *see* GODDARD D H *et al*
BROWN R *see* GRAHAME R *et al*
PRIOR P *et al*
Brown's syndrome, transient, in juvenile chronic arthritis: case report 764
Brucellosis and rheumatic syndromes, Saudi Arabia 810
BUCKLAND-WRIGHT J C Microfocal radiographic examination of erosions in the wrist and hand of patients with rheumatoid arthritis 160
BUDDECKE E *see* HERWIG J *et al*
BULGEN D Y, BINDER A I, HAZLEMAN B L, DUTTON J and ROBERTS S Frozen shoulder: prospective clinical study with an evaluation of three treatment regimens 353
see also BINDER A I *et al*
BUNN C C *see* BERNSTEIN R M *et al*
BUNNING R D and BARTH W F Cryptococcal arthritis and cellulitis: case report 508
BURGOS-VARGOS R, HALL M A and ANSELL B M Sacroiliac changes at the 10-year follow-up of juvenile chronic arthritis previously tissue typed for HLA-A and B loci 119 *P*
BURMAN S J *see* HALL P J *et al*
Bursitis
calcifying supracoracoid, causing chronic shoulder pain: case report 758
olecranon, traumatic corticosteroid injection, long-term follow-up 44
supracoracoid, calcifying, causing chronic shoulder pain: case report 758
BUTLER B D *see* HILLS B A and BUTLER B D
BUTLER R C, THOMAS S M, THOMPSON J M and KEAT A C S Anaplastic myeloma in systemic lupus erythematosus: case report 653
see also STODELL M A *et al*
BYERS P D *see* AFOKE N Y P *et al*

C4 deficiency, selective, systemic lupus erythematosus, and Whipple's disease: case report 91: correspondence 535
Caeruloplasmin inflammatory joint disease 108 *P*
Calcium phosphate crystals
arthropathy, histopathological and ultrastructural studies of synovium in Milwaukee shoulder syndrome 734
clearance from facsimile synovium 487
deposition disease, and haemochromatosis, arthropathy of: correspondence 536
CALIN A Osteosclerosis and new bone formation in young onset and late onset rheumatoid arthritis according to rheumatoid factor seropositivity: correspondence 661
CALIN H J, FIELD E, TANAY A, STROBER S, HOPPE R and KAPLAN H Double-blind controlled study of total lymphoid irradiation (TLI) in rheumatoid arthritis (RA) 121 *P*
see also LOWTHIAN P *et al*
CALIN H J *see* CALIN A *et al*
CAMPION G *see* GHARAVI A E *et al*
Cancer morbidity, in rheumatoid arthritis 128
CANOSO J J and WOHLGETHAN J R C4 deficiency, SLE, and Whipple's disease: correspondence 535
NEWBERG A H and GOLDSMITH M R Aspiration of the retrocalcaneal bursa 308
see also WEINSTEIN P S *et al*
CAPELL H *see* BELCH J J F *et al*
MADHOK R *et al*
CAPELL H A, PULLAR T, MADHOK R and LEWIS D Absence of placebo response during second-line therapy: an obstacle to outcome measurement in RA 114 *P*
see also BELCH J J F *et al*
PULLAR T *et al*
CARLSON R P *see* GILMAN S C *et al*
Carpal tunnel syndrome and subsequent rheumatoid arthritis in the 'fibrositis' syndrome 232
CARTER J *see* BOGDUK N *et al*
CARTER S D, BOURNE J T, ELSON C J, HUTTON C W, CZUDEK R and DIEPPE P A Mononuclear phagocytes in rheumatoid arthritis: Fc-receptor expression by peripheral blood monocytes 424

Cartilage
biomechanical and biocnemical properties, in experimentally induced osteoarthritis, dog 83
degradation in vivo, effects of local administration of hydrocortisone 418, 106 *P*
erosion sites, rheumatoid joint, mast cells 76
localisation of collagen types, fibronectin and proteoglycans 107 *P*
CASE K *see* AHERN M J *et al*
CASWELL A M and RUSSELL R G G Identification of the ectoenzyme, nucleoside triphosphate pyrophosphohydrolase, in normal human articular chondrocytes in monolayer culture 107 *P*
CATS A *see* STEVEN M M *et al*
CAVALIERI F *see* FERRACCIOLI G F *et al*
CAWLEY M I D *see* COOPER C and CAWLEY M I D SATTAR M A *et al*
Cellular protein and RNA antigens, in autoimmune disease 123 *P*
Cellulitis, and cryptococcal arthritis: case report 508
Centromere antigen reactive, in CREST syndrome 819
CERESIA G *see* MAGARÒ *et al*
CEULAER K DE *see* DE CEULAER K
CHADWICK V S *see* PARKE A L *et al*
CHAIAMNUAY P, JOHNSTON C, MAIER J and RUSSELL A S Technique-related variation in results of FANA tests 755
CHAMBERLAIN M A *see* YAZICI H *et al*
CHAPUT DE SAINTONGE M *see* KIRWAN J R *et al*
Cheiroarthropathy (joint mobility), limitation in adult noninsulin-dependent diabetes 251
Chloroquine
and dapsone, rheumatoid arthritis treatment, 6-month comparative study 200
its effect on leucocyte auto- and heterophagocytosis 205
therapy, presence of abnormal lysosomes in lymphocytes and neutrophils during, quantitative ultrastructural study 710
CHOY D *see* DE JAGER J P *et al*
Chrysotherapy
and fatal bronchiolitis obliterans: correspondence 351
and thrombocytopenia 113 *P*
Circadian variation, in biochemical assessments used to monitor rheumatoid arthritis 444
Circulating immune complexes, isolated by affinity chromatography from sera, rheumatoid arthritis, analysis 116 *P*
CLAGUE R *see* DYER P *et al*
CLAGUE R B *see* KLIMIUK P S *et al*
CLARKE G *see* LEADER M *et al*
CLARRIS B J, FRASER J R E, MUIRDEN K D, MALCOLM L P, HOLMES M W A and ROGERS K Stimulation of glycosaminoglycan production and lysosomal activity of human synovial cells in culture by low environmental pH 313
CLEARY E G *see* VERNON-ROBERTS B *et al*
CLELAND L G, VERNON-ROBERTS B and SMITH K Fibre glass induced synovitis: case report 530
CLEMENTS P J *see* FURST D E *et al*
Coeliac disease, and rheumatoid arthritis 378
COHEN A S *see* BRANDWEIN S R *et al*
COHEN R D *see* NG K C *et al*
REVELL P A *et al*
Colchicine therapy and dimethylsulphoxide (DMSO), amyloid disease 421
Collagen types
fibronectin and proteoglycans, localisation in cartilage 107 *P*
II, contained in degenerated annulus fibrosus of intervertebral disc 258: correction 540
COLLINS A J, NOTARIANNI L J, LLEWELLYN D H, JEFFERIES T M and FERRIE J E Pharmacokinetics of D-penicillamine in man 112 *P*
RING E F J and SEED M P Some observations on the pharmacology of 'deep-heat', a topical rubifacient 411
COLTON C L *see* GRIFFITHS H T *et al*
Congress of the European Society of Ophthalmology, seventh, May 1984, Helsinki, announcement 123
Congress of Physical Medicine and Rehabilitation, 9th, May 1984, Jerusalem, announcement 123
Connective tissue
diseases, frequency of autoantibodies to nRNP, Sm, Ro(SSA), and La(SSB), using an ELISA technique 122 *P*
microvascular filtration, abnormalities 109 *P*
turnover, modulation by partially purified human mononuclear cell factor/interleukin-1 106 *P*
COOKE E M *see* SHINEBAUM R *et al*
COOMBES E J *see* HELLIWELL M *et al*
COOPER C and CAWLEY M I D Rheumatoid arthritis and malignant histiocytosis of the intestine: correspondence 766
see also WOO P *et al*
Copper, and bone resorption, inhibition of prostaglandin action 841
CORBIN S *see* KLOUDA P T *et al*
CORDIER G *see* BONVOISIN B *et al*
CORRESPONDENCE
Age distribution of amyloid in the intervertebral discs 663
Arthritis and angioimmunoblastic lymphadenopathy 536
Arthropathy of calcium pyrophosphate deposition disease and of haemochromatosis 536
Bacterial confirmation of gonococcal arthritis 537
C4 deficiency, SLE, and Whipple's disease 535
Fatal bronchiolitis obliterans, associated with chrysotherapy 351
Gold exacerbates adjuvant arthritis, in the rat 350
History of rheumatic or glandular fever 124
HLA types and palindromic rheumatism 538
Immune deposits at the dermoepidermal junction in patients with rheumatoid arthritis 537
Osteosclerosis and new bone formation in young onset and late onset rheumatoid arthritis according to rheumatoid factor seropositivity 661
Rheumatoid arthritis and malignant histiocytosis of the intestine 766
Rheumatoid arthritis and type 1 diabetes mellitus 351
Salicylate-NSAID interactions 351
'Seronegative spondarthritis' 662

Spontaneous rupture of the spleen in rheumatoid arthritis 539
Synovial fluid complement levels in Behçet's disease 767
Tachyarrhythmia in yersinia arthritis 535
Unusual case of dermatomyositis 662
Vertebral rim lesions in dorsolumbar spine 662
Corticosteroid
injection, traumatic olecranon bursitis, long-term follow-up 44
local, effects on cartilage degradation in vivo 106 *P*
Corticosteroid therapy, prolonged low-dose and osteoporosis in rheumatoid arthritis 24
treatment, temporal artery biopsy 416
COULTON B L *see* SCOTT D L *et al*
CORVALAN J F *see* HALL N D *et al*
CRESPO M *see* PEÑA J M *et al*
Crest syndrome
centromere antigen reactive with sera 819
and progressive systemic sclerosis, clinical and serological comparison 794
CRISP A J, ROELKE M S, GOLDRING S R and KRANE S M Heparin modulates intracellular cyclic AMP in human trabecular bone cells and adherent rheumatoid synovial cells 628
Heparin modulates the response of cultured human trabecular bone cells to hormones 105 *P*
CROOK P R *see* FOWLER P D *et al*
Cryoglobulins, characteristics, rheumatoid arthritis and systemic lupus erythematosus, and their complement binding properties 451
Cryoglobulinaemia
essential mixed, use of anti-idiotypic antibodies to demonstrate rheumatoid factor producing bone marrow cells: case report 651
long-term, preceding systemic lupus erythematosus: case report 339
Cryptococcal arthritis and cellulitis: case report 508
CURREY H L F *see* HASKARD D O and CURREY H L F
KIRWAN J R *et al*
KIRWAN J R and CURREY H L F
NG K C *et al*
PEASE C T *et al*
REVELL P A *et al*
CURWEN M *see* GRAHAME R *et al*
Cyclic AMP, intracellular, modulated by heparin, in human trabecular bone cells and adherent rheumatoid synovial cells 628
CZUDEK R *see* CARTER S D *et al*

DALE E *see* GRAHAME R *et al*
DANIELS J F *see* GILMAN S C *et al*
Dapsone
and cholorquine, rheumatoid arthritis treatment, 6-month comparative study 200
in rheumatoid arthritis treatment, outcome 398
DAVIES D FELIX- *see* FELIX-DAVIES D
DAVIS J M and PEEL M M Bacterial confirmation of gonococcal arthritis: correspondence 537
DAVIS P, JOHNSTON C, MILLER C and WONG K The effect of gold compounds on the respiratory burst of phagocytic cells 112 *P*
DAVIES P G, FORDHAM J N, KIRWAN J R, BARNES C G and DINNING W J The pathergy test and Behçet's syndrome in Britain 70
DE CEULAER K, FORBES M, ROPER D and SERJEANT G R Non-gouty arthritis in sickle cell disease: report of 37 consecutive cases 599
DE JAGER J P, CHOY D and FLEMING A Salivary scanning in rheumatoid arthritis with sicca syndrome 610
and FLEMING A Shoulder joint rupture and pseudothrombosis in rheumatoid arthritis: case report 503
DE JONGH B M, VAN ROMUNDE L K J, VALKENBURG H A, DE LANGE G G and VAN ROOD J J Epidemiological study of HLA and GM in rheumatoid arthritis and related symptoms in an open Dutch population 613
DE LANGE G G *see* DE JONGH B M *et al*
DE SAINTONGE D M CHAPUT DE *see* CHAPUT DE SAINTONGE D M
DE SILVA M, BINDER A and HAZLEMAN B L The timing of prednisolone dosage and its effect on morning stiffness in rheumatoid arthritis 790
DE VERE-TYNDALL A, BACON T, PARRY R, TYRRELL D A J, DENMAN A M and ANSELL B M Infection and interferon production in systemic juvenile chronic arthritis: a prospective study 1
DECKER J L *see* KLIPPEL J H *et al*
'Deep-heat', topical rubifacient, observations on pharmacology 411
Degeneration, human knee joint menisci, chemical changes in various stages 635
DELAGOUTTE J P *see* ALBISER G *et al*
DENMAN A M *see* DE VERE-TYNDALL A *et al*
HULL R G *et al*
DENT R *see* FITZCHARLES M *et al*
DER KORST J K VAN *see* VAN DER KORST J K
Dermatomyositis, unusual case: correspondence 662
Dermoepidermal junction, in rheumatoid arthritis, immune deposits: correspondence 537
DEYL Z *see* ADAM M and DEYL Z
Diabetes mellitus
adult noninsulin-dependent limitation of joint mobility (cheiroarthropathy) 251
type 1, and rheumatoid arthritis: correspondence 351
DICK H *see* MADHOK R *et al*
DICKSON R *see* FROEBEL K *et al*
DIEPPE P A, BRADFIELD J, DOHERTY M, HUTTON C, MACFARLANE D G and WATT I Apatite-associated destructive arthritis 120 *P*
see also CARTER S D *et al*
DIJKMAN J H *see* STEVEN M M *et al*
Dimethylsulphoxide (DMSO) and colchicine therapy, amyloid disease 421
DINNING W J *see* DAVIES P G *et al*
Disability, measures, in arthritis 563
Disodium aurothiomalate, treating rheumatoid arthritis, free thiomalate levels 698
DIXON J S *see* SITTON N G *et al*
DJALDETTI M *see* PEREK J *et al*

DNA and/or RNA content, increased, synovial fluid cells, rheumatoid arthritis, flow-cytometry study 222
DODDS W *see* DYER P *et al*
DOHERTY M *see* DIEPPE P A *et al*
Dorsolumbar spine, vertebral rim lesions 302: correspondence 662
DOWNES J *see* LOWTHIAN P *et al*
DROSOS A A *see* MOUTSOPOULOS H M *et al*
DRYLL A *see* BARDIN T *et al*
DUBY S *see* FITZCHARLES M A *et al*
DUNN N A, MAHIDA B H, MERRICK M V and NUKI G Quantitative sacroiliac scintiscanning: a sensitive and objective method for assessing efficacy of non-steroidal, anti-inflammatory drugs in patients with sacroiliitis 157
DURÓ J C Arthritis and angioimmunoblastic lymphadenopathy: correspondence 536
DUTTON J *see* BULGEN D Y *et al*
DYER P, GRENNAN D M, WALTON K, KLIMIUK P, DODDS W, CLAGUE R and HARRIS R HLA and properdin factor B (Bf) in rheumatoid arthritis 118 *P*
see also KLIMIUK P S *et al*

Ear, middle, arthritis, in ankylosing spondylitis: case report 658
EASTMOND C J *see* HULL R G *et al*
EDWARDS J C W Abnormalities of microvascular filtration in subjects with connective tissue disease 109 *P* and SNAITH M L Microvascular filtration in subjects with connective tissue disorders 576
see also SEDGWICK A D *et al*
EGNER E *see* HERWIG J *et al*
ERHRENFELD M, UROWITZ M G and PLATTS M E Selective C4 deficiency, systemic lupus erythematosus, and Whipple's disease: case report 91
EISBRUCH A *see* PEREK J *et al*
EL EUCH M *see* HAMZA M *et al*
Electrical nerve stimulation, transcutaneous, in osteoarthrosis 47
Electromyography in leg muscle activity 63
ELFORD P R *see* RICHARDSON H J *et al*
ELKON K B, GHARAVI A E, HUGHES G R V and MOUTSOUPOULOS H M Autoantibodies in the sicca syndrome (primary Sjögren's syndrome) 243
ELLIS L D *see* ROSENBAUM L H *et al*
ELLIS M I *see* MUNTON J S *et al*
ELSON C J *see* CARTER S D *et al*
ELSTON C W *see* GRIFFITHS H T *et al*
EMERY P, PANAYI G S, HUSTON G and MITCHELL S Genetic determinants of D-penicillamine (DP) toxicity in rheumatoid arthritis 113 *P*
SYMMONS D and BROWN G Mechanisms of depressed delayed-type hypersensitivity in rheumatoid arthritis: the role of protein energy malnutrition 430
Employment, in ankylosing spondylitis 604
ENGLAND J P S *see* BERNSTEIN R M *et al*
Enteritis, occult, demonstrated by ^{111}indium leucocyte scanning, yersinia arthritis: case report 493
Eosinophil cationic protein, in inflammatory synovial effusions, as evidence of eosinophil involvement 556
ERASMUS M G *see* MOOLENBURGH J D *et al*
ERHARDT C C, MUMFORD P and MAINI R N Differences in immunochemical characteristics of cryoglobulins in rheumatoid arthritis and systemic lupus erythematosus and their complement binding properties 451
ERKEN E *see* AKOĞLU T *et al*
ERSANLI M *see* YAZICI H *et al*
ESKOLA J *see* VUENTO R *et al*
ESSEN R VON *see* VON ESSEN R
EUCH M EL *see* EL EUCH M
EULDERINK F *see* STEVEN M M *et al*
EVANS H B, AYAD S, WEISS J B and HOLT P J L Localisation of collagen types, fibronectin, and proteoglycans in cartilage 107 *P*
EVRIN P E and STRÖM T β_2-Microglobulin and its binding activity in serum from patients with SLE 267

Facsimile synovium, clearance of calcium pyrophosphate crystals 487
FAGAN E A *see* SEE PARKE A L *et al*
FAIRBANK J C T, PYNSENT P B and PHILLIPS H Quantitative measurements of joint mobility in adolescents 288
FALUS A *see* MERÉTEY K *et al*
FARR M, HOLLYWELL C A, MORRIS C J, STRUTHERS G R, BACON P A and WALTON K W Whipple's disease diagnosed at hip arthroplasty: case report 526
see also ROWLEY D *et al*
FAURE G *see* ALBISER G *et al*
Fc-receptor expression in rheumatoid arthritis 424
Feet, pressures, foil pedobarography 816
FEIGENBAUM P *see* FRIES J F *et al*
FELIX-DAVIES D *see* WRIGHT A *et al*
Felty's syndrome
associated with high levels of IgA rheumatoid factor: case report 505
HLA antigens 120 *P*
IgE class immune complexes, characterisation of antibody activities in isolated complexes 246
Fenclofenac, nephrotic syndrome and renal impairment: case report 513
FERRACCIOLO G F, CAVALIERI F, MERCADANTI M and AMBANELLI U Osteosclerosis and new bone formation in young onset and late onset rheumatoid arthritis according to rheumatoid factor seropositivity: correspondence 661
FERRELL W R *see* WOOD L and FERRELL W R
FERRIE J E *see* COLLINS A J *et al*
Ferritin, extracellular, role in inflammation 107 *P*
Fibre glass induced synovitis: case report 530
Fibrin(ogen)olysis
in polymyalgia rheumatica and temporal arteritis 721
plasma, decreased, in rheumatoid arthritis 774
Fibrocartilage and articular cartilage, high-angle x-ray diffraction 802
Fibronectin and proteoglycans, localisation in cartilage 107 *P*
'Fibrositis' syndrome, carpal tunnel syndrome and subsequent rheumatoid arthritis 232
FIELD E *see* CALIN A *et al*
FISHER W D *see* BROMLEY M *et al*
FITZCHARLES M, BANKS E, ST PIERRE J, DENT R and OSTERLAND C K A double-blind comparison of

transcutaneous electrical nerve stimulation (TENS) and placebo in soft tissue rheumatism 110 *P*
FITZCHARLES M A, DUBY S, WADDELL R W, BANKS E and KARSH J Limitation of joint mobility (cheiroarthropathy) in adult noninsulin-dependent diabetic patients 251
FLEMING A *see* DE JAGER J P *et al*
DE JAGER J P and FLEMING A
MCGUIGAN L and FLEMING A
Fluorescent antinuclear antibodies (FANA) tests, technique-related variation in results 755
Foil pedobarography, for feet pressures 816
FOLEY J A and PAYNE C M E R Unusual case of dermatomyositis: correspondence 662
FONTAGNE J *see* JAFFRAY P *et al*
FORBES C D *see* BELCH J J F *et al*
FORBES M *see* DE CEULAER K *et al*
FORDHAM J N *see* DAVIES P G *et al*
PEASE C T *et al*
FORSKITT S *see* HAWKINS S *et al*
FOTHERBY K *see* MACKWORTH-YOUNG C G *et al*
FOWLER P D, SHADFORTH M F, CROOK P R and LAWTON A Report on chloroquine and dapsone in the treatment of rheumatoid arthritis: a 6-month comparative study 200
FRANCOEUR A M *see* BERNSTEIN R M *et al*
FRANKEN C K *see* MACFARLANE J D *et al*
FRANKS J J *see* GRAU R G *et al*
FRASER J R E *see* CLARRIS B J *et al*
FRIES J F, WASNER C, BROWN J and FEIGENBAUM P A controlled trial of antihypertensive therapy in systemic sclerosis (scleroderma) 407
FRITZLER M J *see* KINSELLA T D *et al*
FROEBEL K, DICKSON R, LEWIS D, JASANI M K and STURROCK R D Characteristics of spontaneously proliferating mononuclear cells in rheumatoid arthritis 703
FROUDE G *see* HULL R G *et al*
Frozen shoulder
arthrographic and radionuclear scan assessment 365
long-term prospective study 361
prospective clinical study with evaluation of three treatment regimes 353
FRUSTACI A *see* MAGARÒ M *et al*
Functional ability (disability), in arthritis, in relation to impairment of range of joint movement 563
FURST D E, CLEMENTS P J, SAAB M, STERZ M G and PAULUS H E Clinical and serological comparison of 17 chronic progressive systemic sclerosis (PSS) and 17 CREST syndrome patients matched for sex, age, and disease duration 794

GALE R, BERTOUCH J V, GORDON T P, BRADLEY J and ROBERTS-THOMSON P J Neutrophil activation by immune complexes and the role of rheumatoid factor 34
GALLAGHER P J *see* ALLISON M C and GALLAGHER P J
GALLUS A S *see* THOMAS D *et al*
GALON Y *see* MORE R *et al*
GARANCIS J C *see* HALVERSON P B *et al*
GARCIA-ALEGRIA J *see* PEÑA J A *et al*
GARDNER D L *see* O'CONNOR P *et al*
GARRETT I R *see* VERNON-ROBERTS B *et al*
Gastric carcinoma, occult, presenting as an acute rheumatic disorder, malignant myositis ossificans: case report 95
GATHERCOLE L J *see* NICHOLLS S P *et al*
GAUCHER A *see* ALBISER G *et al*
GEDDES R *see* THOMAS D *et al*
GEMMELL C G *see* STEVEN M M *et al*
General practitioners (GPs), rheumatology training, an evaluated programme 110 *P*
Genetic
linkage studies, familial rheumatoid arthritis 118 *P*
markers, pauciarticular onset juvenile chronic arthritis 119 *P*
GERSTER J C, RAPPOPORT G and GINALSKI J M Prevalence of periarticular calcifications in pyrophosphate arthropathy and their relation to nodal osteoarthrosis 255
GERSTER J C *see* GOBELET C and GERSTER J C
GHARAVI A E, CAMPION and HUGHES G R V Use of anti-idiotypic antibodies to demonstrate rheumatoid factor producing bone marrow cells in essential mixed cryoglobulinaemia: case report 651
see also ELKON K B *et al*
HARRIS E N *et al*
HULL R G *et al*
GIANNINI E H, BREWER E J and PERSON D A Blood gold concentrations in children with juvenile rheumatoid arthritis undergoing long-term oral gold therapy 228
Giant cell arteritis, and abnormal radionuclide liver scans 583
GIBSON T *see* GRAHAME R *et al*
GIJÓN J *see* PEÑA J M *et al*
GILMAN S C, DANIELS J F, WILSON R E, CARLSON R P and LEWIS A J Lymphoid abnormalities in rats with adjuvant-induced arthritis. I. Mitogen responsiveness and lymphokine synthesis 847
GINALSKI J M *see* GERSTER J C *et al*
GIOTAKI H *see* MOUTSOPOULOS H M *et al*
GIRAUDON B BECQ- *see* BECQ-GIRAUDON B
Glandular or rheumatic fever, history: correspondence 124
Glomerulonephritis, mesangial, association with haematuria in rheumatoid arthritis 440
Glycosaminoglycan production and lysosomal activity of human synovial cells in culture, stimulation by low environmental pH 313
GOBELET C and GERSTER J C Synovial fluid lactate levels in septic and non-septic arthritides 742
GODDARD D H, KIRK A P, BROWN K A, MCCARTHY D, JOHNSON G D and HOLBOROW E J Changes in normal polymorphonuclear leucocyte motility after ingestion of IgG aggregates 146
KIRWAN J R, JOHNSON G D and HOLBOROW E J Impaired polymorphonuclear leucocyte chemotaxis in rheumatoid arthritis 151
GOFTON J P *see* LOWTHIAN P *et al*
Gold
blood concentrations, in children with juvenile rheumatoid arthritis undergoing long-term oral gold therapy 228
compounds, effect on respiratory burst of phagocytic cells 112 *P*

drugs, in adjuvant-induced polyarthritis, influence of rat strain and arthritogen on action 111 *P*
exacerbates adjuvant arthritis, rat: correspondence 350
and hypogammaglobulinaemia 581
nephropathy, due to Auranofin obscured by tolmetic pseudoproteinuria: case report 511
in rheumatoid arthritis treatment, outcome 398
ischaemic colitis and immune complexes during: case report 495
GOLDRING S R *see* CRISP A J *et al*
GOLDSMITH M R *see* CANOSO J J *et al*
Gonococcal arthritis, bacterial confirmation: correspondence 537
GORDON T P *see* GALE R *et al*
Gout
South African blacks 394
and William Harvey 125
GOW P J *see* BARBER K E *et al*
McGUIGAN L E *et al*
GOWEN M *see* RICHARDSON H J *et al*
GRAHAME R, GIBSON T, DALE E, BROWN, R, ANDERSON J A D, CURWEN M and HIGGINS P An evaluated programme of rheumatology training for general practitioners (GPs) 110 *P*
GRAN J T, HUSBY G, HORDVIK K, STØRMER J and ROMBERG-ANDERSEN Ø Radiological changes in men and women with ankylosing spondylitis 570
GRAU R G, KASSAN S S, FRANKS J J, KAPLAN H, WALKER S H and TAN E M Fibrin(ogen)olysis in polymyalgia rheumatica and temporal arteritis: preliminary findings on association with disease activity 721
GRAY D H *see* KATZ J M *et al*
GRENNAN D M and AARONS L Salicylate—NSAID interactions: correspondence 351
see also DYER P *et al*
KUMIUK P S *et al*
GRIEVE D W and RASHDI T Pressures under normal feet in standing and walking as measured by foil pedobarography 816
GRIFFIN A J, WOOLEY P, PANAYI G S and BATCHELOR J R HLA DR antigens and disease expression in rheumatoid arthritis 218
see also BLOWER P W and GRIFFIN A J
GRIFFITHS H T, ELSTON C W, COLTON C L and SWANNELL A J Popliteal masses masquerading as popliteal cysts 60
GRIFFITHS I D *see* HORDON L D *et al*
PLATT P N and GRIFFITHS I D
GRIFFITHS M *see* ISENBERG D A *et al*
GRIGOR R R *see* McGUIGAN L E *et al*
GRINDULIS K A and McCONKEY B Outcome of attempts to treat rheumatoid arthritis with gold, penicillamine, sulphasalazine, or dapsone 398
see also SCOTT D L *et al*
GUMPEL J M *see* WILSON A P R *et al*
GUPTA S *see* BERNSTEIN *et al*
GÜRÇAY A *see* AKOĞLU T *et al*
GUTTERIDGE J M *see* ROWLEY D *et al*

HACK C E, LIM H G and AALBERSE R C Immunisation of guinea-pigs with circulating immune complexes from patients with rheumatoid arthritis 749
Haematuria, in rheumatoid arthritis, association with mesangial glomerulonephritis 440
Haemochromatosis and pyrophosphate deposition disease, arthropathy of: correspondence 536
HAJIROUSSOU V J *see* WEBLEY M Prolonged low-dose corticosteroid therapy and osteoporosis in rheumatoid arthritis 24
HALKJAER-KRISTENSEN J *see* PETERSEN J *et al*
HALL M A *see* BURGOS-VARGOS R *et al*
HALL N D, McKEOWN M J and CORVALAN J F Sulphydryl (SH)-dependent lymphocyte-monocyte interactions modulate antibody synthesis in rheumatoid patients 116 *P*
see also AHERN M J *et al*
HAWKINS S *et al*
HALL P J, BURMAN S J, LAURENT M R, BRIGGS D, VENNING H, LEAK A and ANSELL B M Genetic markers in pauciarticular onset juvenile chronic arthritis 119 *P*
HÄLLGREN R, BJELLE A and VENGE P Eosinophil cationic protein in inflammatory synovial effusions as evidence of eosinophil involvement 556
HALLIWELL B *see* ROWLEY D *et al*
HALVERSON P B, GARANCIS J C and McCARTY D J Histopathological ultrastructural studies of synovium in Milwaukee shoulder syndrome—a basic calcium phosphate crystal arthropathy 734
HAMBLIN T J *see* SATTAR M A *et al*
HAMZA M, AYED K, EL EUCH M, MOALLA M and BEN AYED H Synovial fluid complement levels in Behçet's disease: correspondence 767
Hand, rheumatoid arthritis, microfocal radiographic examination of erosions 160
HANDLEY C J *see* BATES E J *et al*
HANSEN T INGEMANN- *see* INGEMANN-HANSEN T
HARRIS E N, GHARAVI A E, BOEY M L, PATEL B, MACKWORTH-YOUNG C, LOIZOU S and HUGHES G R V Anticardiolipin antibodies: detection by a new solid phase radioimmunoassay: striking association with thrombosis 122 *P*
see also HULL R G *et al*
HARRIS R *see* DYER P *et al*
KLIMIUK P S *et al*
HARRISON R *see* WOO P *et al*
HART F D William Harvey and his gout 125
HART H H *see* McGUIGAN L E *et al*
Harvey, William, and his gout 125
Hashimoto's thyroiditis and polyarthritis, possible subset of seronegative polyarthritis 594
HASKARD D O and CURREY H L F Gold exacerbates adjuvant arthritis in the rat: correspondence 350
HASLOCK I 'Seronegative spondarthritis': correspondence 662
HAWKINS C F *see* PRIOR P *et al*
SYMMONS D P M *et al*
HAWKINS S, FORSKITT S, HALL N D, MASLEN C, MADDISON P J, McGREGOR A R and BLACK C M Clinical and laboratory effects of nifedipine in the treatment of Raynaud's phenomenon (RP) 110 *P*
HAY S *see* VERNON-ROBERTS B *et al*
HAYNES D R *see* VERNON-ROBERTS B *et al*

HAZELTON R A A study of lymphocytotoxins in families of patients with systemic lupus erythematosus 136
HAZEVOET H M *see* STEVEN M M *et al*
HAZLEMAN B L *see* BINDER A I *et al*
BULGEN D Y *et al*
DE SILVA M *et al*
JONES J *et al*
Heart cells, rat, cultured, antibodies to, in sera of rheumatoid arthritis patients 483
HEATH J K, ATKINSON S J, MEIKLE M C and REYNOLDS J J Possible role of osteoblasts in bone resorption 105 *P*
HEBERDEN SOCIETY
Annual General Meeting and Oration, London, November 1983, proceedings 105
Oration 1983: HLA as regulator 665
HELLIWELL M, COOMBES E J, MOODY B J, BATSTONE G R and ROBERTSON J C Nutritional status in patients with rheumatoid arthritis 386
HENNEKENS C *see* LIANG M H *et al*
HENRY K *see* STODELL M A *et al*
Heparin, modulates response of cultured human trabecular bone cells to hormones 105 *P*
modulating intracellular cyclic AMP, in human trabecular bone cells and adherent rheumatoid synovial cells 628
HERWIG J, EGNER E and BUDDECKE E Chemical changes of human knee joint menisci in various stages of degeneration 635
HIGGINS P *see* GRAHAME R *et al*
HILL W *see* THOMAS D *et al*
HILLS B A and BUTLER B D Surfactants identified in synovial fluid and their ability to act as boundary lubricants 641
HILTON R C and BALL J Vertebral rim lesions in the dorsolumbar spine 302
Hip
arthroplasty, Whipple's disease diagnosis: case report 526
joint, incongruous, a loading study 295
Histiocytosis, malignant, intestine, and rheumatoid arthritis: correspondence 766
HLA
antigens, Felty's syndrome 120 *P*
rheumatoid arthritis, in normal or elevated serum antibody levels to native type II collagen 119 *P*
genetics, Class I molecules, and findings in leprosy: Heberden Oration 1983 665
and immunoglobulin G heavy chain, in rheumatoid arthritis, epidemiological study 613
and properdin factor B (Bf), rheumatoid arthritis 118 *P*
types, palindromic rheumatism: correspondence 538
A and B loci, juvenile chronic arthritis previously tissue typed, sacroiliac changes at 10-year follow-up 119 *P*
B27, ankylosing spondylitis, and polymorphonuclear cell motility 279
polypeptides, two-dimensional gel analysis in demonstration of non-structural alteration between ankylosing spondylitis and normal 177
positive subjects, enhanced neutrophil migration in vivo 181
DR antigens and disease expression, rheumatoid arthritis 218
HOLBOROW E J *see* GODDARD D H *et al*
HOLLYWELL C A *see* FARR M *et al*
HOLMES M W A *see* CLARRIS B J *et al*
HOLT P J L *see* EVANS H B *et al*
HOPKINS R *see* SHINEBAUM R *et al*
HOPP A *see* ISENBERG D A *et al*
HOPPE R *see* CALIN A *et al*
HORDON L D, SELLARS L, MORLEY A R, WILKINSON R, THOMPSON M and GRIFFITHS I D Haematuria in rheumatoid arthritis: an association with mesangial glomerulonephritis 440
HORDVIK M *see* GRAN J T *et al*
HORN P *see* ALBISER G *et al*
HORNE S *see* KEMP A S *et al*
HOUGH D *see* MADDISON P J *et al*
HOWELL D S *see* ALTMAN R D *et al*
HUGHES G R V *see* BERNSTEIN R M *et al*
ELKON K B *et al*
GHARAVI A E *et al*
HARRIS E N *et al*
HULL R G *et al*
MACKWORTH-YOUNG C AND HUGHES G
MACKWORTH-YOUNG C *et al*
PARKE A L *et al*
HULL R G, HARRIS E N, GHARAVI A E, TINCANI A, ASHERSON R A, VALESINI G, DENMAN A M, FROUDE G and HUGHES G R V Anticardiolipin antibodies: occurrence in Behçet's syndrome 746
RENNIE J A N, EASTMOND C J, HUTCHISON J M S and SMITH F W Nuclear magnetic resonance (NMR) tomographic imaging for popliteal cysts in rheumatoid arthritis 56
HUNTER J A *see* PULLAR T *et al*
HURST N P, BESSAC B and NUKI G Monocyte superoxide anion production in rheumatoid arthritis: preliminary evidence for enhanced rates of superoxide anion production by monocytes from patients receiving penicillamine, sodium aurothiomalate and corticosteroids 28
HUSBY G *see* GRAN J T *et al*
HUSTON G *see* EMERY P *et al*
HUTCHISON J M S *see* HULL R G *et al*
HUTTON C *see* DIEPPE P A *et al*
HUTTON C W *see* CARTER S D *et al*
HUTTON W C *see* AFOKE N Y P *et al*
Hyaline articular cartilage dissected by papain, light and scanning electron microscopy and micromechanical studies 320
Hydrocortisone, effects of local administration on cartilage degradation in vivo 418
Hypersensitivity, depressed delayed-type, mechanisms in rheumatoid arthritis, role of protein energy malnutrition 430
Hypertension, pulmonary, fatal, and lupus anticoagulant, pulmonary thromboembolism 760
Hypogammaglobulinaemia, associated with gold therapy 581

Idiotypic cross-reactions, monoclonal human lupus autoantibodies 122 *P*
Immune complexes
and ischaemic colitis, during gold therapy for rheumatoid arthritis: case report 495
neutrophil activation, role of rheumatoid factor 34
rheumatoid arthritis, and immunisation of guinea-pigs 749
from SLE patients, effects on human monocyte locomotion and Fc receptor function 729
Immune deposits, dermoepidermal junction, in rheumatoid arthritis: correspondence 537
Immunoglobulins
A rheumatoid factor, Felty's syndrome: case report 505
rheumatoid factor, prognostic value 673
E class immune complexes, Felty's syndrome, characterisation of antibody activities in isolated complexes 246
G aggregates, changes in normal polymorphonuclear leucocyte motility after ingestion 146
-containing cells, increased numbers in rectal lamina propria of ankylosing spondylitis 172
heavy chain and HLA, in rheumatoid arthritis, epidemiological study 613
(M, G, and A) in yersinia arthritis and ankylosing spondylitis 186
secretion, spontaneous and induced, by synovial fluid B lymphocytes in rheumatoid arthritis 140
Immunosuppressive therapy, lupus nephritis 121 *P*
Implant surgery, hand and upper extremity, 15th Annual International Symposium, Michigan, October 1984, announcement 540
^{111}Indium leucocyte scanning, demonstrating occult enteritis, yersinia arthritis: case report 493
Infection and interferon production, systemic juvenile chronic arthritis, prospective study 1
Infective endocarditis, rheumatological manifestations 716
Inflammation
influence of prednisolone (PRED) and methotrexate (MTX) 112
role for extracellular ferritin 107 *P*
Inflammatory joint disease
caeruloplasmin 108 *P*
iron, and lipid peroxidation 108 *P*
synovial effusions, eosinophil cationic protein as evidence of eosinophil involvement 556
INGEMANN-HANSEN T *see* PETERSEN J *et al*
Interferon production and infection, systemic juvenile chronic arthritis, prospective study 1
Interleukin-1/mononuclear cell factor, human, partially purified, modulating connective tissue turnover 106 *P*
Intervertebral discs
age distribution of amyloid: correspondence 663
degenerated annulus fibrosus contains collagen type II, 258: correction 540
Intestine, malignant histiocytosis, and rheumatoid arthritis: correspondence 766
Iron, lipid peroxidation, and inflammatory joint disease 108 *P*
Ischaemic colitis and immune complexes, during gold therapy for rheumatoid arthritis: case report 495
ISENBERG D A, ROWE D, TOOKMAN A, HOPP A, GRIFFITHS M, PAICE E, STEWART J and BEVERLEY P C L An immunohistological study of secondary Sjögren's syndrome 470
see BOGHOSSIAN S H *et al*
SHOEFELD Y *et al*
IVESON J M I *see* TAGGART A J *et al*

JAFFRAY P, RONOT X, ADOLPHE M, FONTAGNE J and LECHAT P Effects of D-penicillamine on growth and cell cycle kinetics of cultured rabbit articular chondrocytes 333
JAGER J P DE *see* DE JAGER J P
JAKOBY R K *see* JONES V *et al*
JASANI M K *see* FROEBEL K *et al*
JAYSON M I V *see* JONES C J P *et al*
JONES C J P and JAYSON M I V
JOHNSON G D *see* GODDARD D H *et al*
JOHNSTON C *see* CHAIAMNUAY P *et al*
DAVIS P *et al*
Joint
and bone symptoms, Paget's disease 769
mobility (cheiroarthropathy), limitation in adult noninsulin-dependent diabetes 251
quantitative measurements, adolescents 288
movement, impairment of range, and measures of disability in arthritis 563
JONES C J P and JAYSON M I V Chloroquine: its effect on leucocyte auto- and heterophagocytosis 205
SALISBURY R S and JAYSON M I V The presence of abnormal lysosomes in lymphocytes and neutrophils during chloroquine therapy: a quantitative ultrastructural study 710
JONES E L *see* SYMMONS D P M *et al*
JONES J, KYLE M V, HAZLEMAN B L and WRAIGHT P Abnormal radionuclide liver scans in giant cell arteritis 583
JONES V, TAYLOR P C R, JACOBY R K and WALLINGTON T B Synovial synthesis of rheumatoid factors and immune complex constituents in early arthritis 235
JONGH B M DE *see* DE JONGH B M
JOYCE C R B *see* KIRWAN J R *et al*
JUBB R W Differential responses of human articular cartilage to retinol 833
Juvenile rheumatoid arthritis
blood gold concentrations in children undergoing long-term oral gold therapy 228
chronic pauciarticular onset, genetic markers 119 *P*
previously tissue typed for HLA-A and B loci, sacroiliac changes at 10-year follow-up 119 *P*
systemic, infection and interferon production, prospective study 1
and transient Brown's syndrome: case report 764

KAMEL M *see* BASSIOUNI M and KAMEL M
KAPLAN H *see* CALIN A *et al*
GRAU R G *et al*
KARSH J *see* FITZCHARLES M A *et al*

KASSAN S S *see* GRAU R G *et al*
KATZ J M, SKINNER S J M, WILSON T and GRAY D H Inhibition of prostaglandin action and bone resorption by copper 841
KÁVAI M *see* LUKÁCS K *et al*
KEAT A C S *see* BUTLER R C *et al*
KELLER F *see* LENZ T and KELLER F
KEMP A S, SEARLE C and HORNE S Transient Brown's syndrome in juvenile chronic arthritis: case report 764
KENNEDY N S J *see* REID D M *et al*
KHAN M A, YAMASHITA T S and KUSHNER I Genetic linkage studies of familial rheumatoid arthritis 118 *P*
KIDD B L *see* MCGUIGAN L E *et al*
KIISTALA U *see* KOIVURANTA-VAARA P *et al*
Kingella kingae infection, knee, pitfall in purulent arthritis: case report 656
KINSELLA T D, LANTEIGNE C, FRITZLER M J and LEWKONIA R M Absence of impaired lymphocyte transformation to *Klebsiella* spp. in ankylosing spondylitis 590
KIRK A P *see* GODDARD D H *et al*
KIRWAN J R, CHAPUT DE SAINTONGE M, JOYCE C R B and CURREY H L F Clinical judgment in rheumatoid arthritis. III. British rheumatologists' judgments of 'change in response to therapy' 686
and CURREY H L F Clinical judgment in rheumatoid arthritis. IV. Rheumatologists' assessments of disease remain stable over long periods 695
see DAVIES P G *et al*
GODDARD D H *et al*
THOMPSON P W *et al*
Klebsiella carriage, ankylosing spondylitis, modification by diet, correlation of klebsiella carriage with disease activity 196
Klebsiella spp., in ankylosing spondylitis, and absence of impaired lymphocyte transformation 590
KLIMIUK P *see* DYER P *et al*
KLIMIUK P S, CLAGUE R B, WALTON K, GRENNAN D M, DYER P, SMEATON I and HARRIS P HLA antigens in rheumatoid arthritis patients with normal or elevated serum antibody levels to native type II collagen 119 *P*
KLIPPEL J H, AUSTIN H A, LERICHE N, BALOW J E and DECKER J L Immunosuppressive therapy of lupus nephritis 121 *P*
KLOUDA P T, CORBIN S, BRADLEY B A, AHERN M J and MADDISON P J HLA antigens in Felty's syndrome 120 *P*
Knee
joint menisci, human, chemical changes in various stages of degeneration 635
response of slowly adapting articular mechanoreceptors to alterations in intra-articular volume, cat 327
Kingella kingae infection, pitfall in purulent arthritis: case report 656
KNIGHT C G *see* BARD D R *et al*
KOIVURANTA-VAARA P, REPO H, LEIRISALO M, KIISTALA U, ÖSTERMAN T and VAPAATALO H Enhanced neutrophil migration in vivo HLA B27 positive subjects 181
KOOTA K *see* SALMINEN I *et al*
KORST J K VAN DER *see* VAN DER KORST J K
KOSKIMIES S *see* VUENTO R *et al*
KRANE S M *see* CRISP J *et al*
KRISTENSEN J HALKJAER- *see* HALKJAER-KRISTENSEN J
KUSHNER I *see* KHAN M A *et al*
KYLE M V *see* JONES J *et al*

LACHMANN P J *see* WOO P *et al*
Lactate levels, synovial fluid, in septic and non-septic arthritides 742
Laminin and vascular changes
in synovial inflammation 109 *P*
proliferation, in rheumatoid arthritis 551
LANGE G G DE *see* DE LANGE G G
LANSAMAN J *see* BARDIN T *et al*
LANTEIGNE C *see* KINSELLA T D *et al*
LARSON M *see* LIANG M H *et al*
LATTA L *see* ALTMAN R D *et al*
LAUFER A *see* MORE R *et al*
LAURENT M R *see* HALL P J *et al*
LAWTON A *see* FOWLER P D *et al*
LEADER M, REVELL P and CLARKE G Synovial infection with *Mycobacterium kansasii* 80
LEAK A *see* HALL P J *et al*
LECHAT P *see* JAFFRAY P *et al*
LEEUWEN A W F M VAN *see* VAN LEEUWEN A W F M
Leg muscle activity, electromyography 63
LEINO R *see* VUENTO R *et al*
LEIRISALO M *see* KOIVURANTA-VAARA P *et al*
LEJEUNE E *see* BONVOISIN B *et al*
LENNIE S E *see* STEVEN M M *et al*
LENZ T and KELLER F Tachyarrhythmia in yersinia arthritis: correspondence 535
Leprosy, rheumatoid arthritis and HLA: Heberden Oration 1983 665
LERICHE N *see* KLIPPEL J H *et al*
LERICHE N G H and BELL D A Hashimoto's thyroiditis and polyarthritis: a possible subset of seronegative polyarthritis 594
Lesotho, rheumatoid arthritis 40
LEWIS A J *see* GILMAN S C *et al*
LEWIS B *see* LEWIS D *et al*
LEWIS D, LEWIS B and STURROCK R D Transcutaneous electrical nerve stimulation in osteoarthrosis: a therapeutic alternative? 47
see also CAPELL H A *et al*
FROEBEL K *et al*
LEWKONIA R M *see* KINSELLA T D *et al*
LIANG M H, STOKER V, LARSON M, WILLETT W, SPEIZER F and HENNEKENS C Oestrogen-use, menopausal status, and relationship to rheumatoid arthritis 115 *P*
LIM H G *see* HACK C E *et al*
Lipid peroxidation, iron, and inflammatory joint disease 108 *P*
Liposomes, chelator, ^{177}Lu, in treatment of experimental arthritis, rabbit 111 *P*
Listeria monocytogenes septic arthritis, following intra-articular yttrium-90 therapy: case report 518
Liver scans, radionuclide, abnormal, in giant cell arteritis 583
LLEWELLYN D H *see* COLLINS A J *et al*
LOIZOU S *see* HARRIS E N *et al*

Low back pain, ankylosing spondylitis, sacroiliac tests, 2 studies 192
LOWE G D O *see* BELCH J J F *et al*
LOWTHER D A *see* BATES E J *et al*
LOWTHIAN P, WOOLF A, DOWNES J, GOFTON J P and CALIN A 'Seronegative rheumatoid arthritis (RA)'—a distinct radiological entity: a controlled study versus seropositive disease 117 *P*
^{177}Lu in chelator liposomes, in treatment of experimental arthritis, rabbit 111 *P*
LUKÁCS K, KÁVAI M, BÁNYAI A, SONKOLY I, VÉGH E, SZABÓ G and SZEGEDI G Y Effects of immune complexes from SLE patients on human monocyte locomotion and Fc receptor function 729
LUNEC J *see* BLAKE D R *et al*
WINYARD P *et al*
Lupus
anticoagulant, pulmonary thromboembolism, and fatal pulmonary hypertension 760
autoantibodies, monoclonal human, idiotypic cross-reactions 122 *P*
nephritis, immunosuppressive therapy 121 *P*
LYLE W H Fatal bronchiolitis obliterans associated with chrysotherapy: correspondence 351
Lymphadenopathy, angioimmunoblastic, and arthritis correspondence 536
Lymphocytes
and serum factors, role in vasculitic diseases 116 *P*
transformation, impaired, transformation to *Klebsiella* spp., absence in ankylosing spondylitis 590
Lymphocytotoxins, in families of patients with systemic lupus erythematosus 136
Lymphoid abnormalities, in adjuvant-induced arthritis, rats. I. Mitogen responsiveness and lymphokine synthesis 847
Lymphoproliferative malignancy, rheumatoid arthritis, 20 cases 132
Lysosomal activity and glycosaminoglycan production of human synovial cells in culture, stimulation by low environmental pH 313

MCARDLE B *see* BELCH J J F *et al*
MCCARTHY D *see* GODDARD D H *et al*
MCCARTY D J *see* HALVERSON P B *et al*
MCCONKEY B *see* GRINDULIS K A and MCCONKEY B
MACFARLANE D G and SETTAS L Acute psoriatric arthropathy precipitated by oxprenolol: case report 102
see also DIEPPE P A *et al*
MACFARLANE J D, FRANKEN C K and VAN LEEUWEN A W F M Progressive cavitating pulmonary changes in rheumatoid arthritis: case report 98
MCGILL P E *see* BROUGHAM P A *et al*
MCGREGOR A R *see* HAWKINS S *et al*
MCGUIGAN L and FLEMING A Pericardial mesothelioma presenting as systemic lupus erythematosus: case report 515
MCGUIGAN L E, HART H H, GOW P J, KIDD B L, GRIGOR R R and MOORE T E Employment in ankylosing spondylitis 604
MCKENZIE I F C *see* TRAPANI J A *et al*
MCKEOWN M J *see* HALL N D *et al*
MACKWORTH-YOUNG C and HUGHES G History of rheumatic or glandular fever: correspondence 124
see also HARRIS E N *et al*
MACKWORTH-YOUNG C G, PARKE A L, MORLEY K D, FOTHERBY K and HUGHES G R V Sex hormones in men with SLE and other chronic diseases 115 *P*
see also BERNSTEIN R M *et al*
MCLAUGHLIN K *see* BELCH J J F *et al*
MADAIO M P *see* SHOENFELD Y *et al*
MADDISON P J, SKINNER R P, BRENNAND D and HOUGH D Frequency of autoantibodies to nRNP, Sm, Ro(SSA), and La(SSB) in connective tissue diseases using an ELISA technique 122 *P*
see also AHERN M J *et al*
HAWKINS S *et al*
KLOUDA P T *et al*
MOUTSOPOULOS H M *et al*
RIDLEY M G *et al*
MADHOK R, PULLAR T, CAPELL H, STURROCK R and DICK H Chrysotherapy and thrombocytopenia 113 *P*
see also BELCH J J F *et al*
CAPELL H A *et al*
MAGARÒ M, CERESIA G and FRUSTACI A Arthritis of the middle ear in ankylosing spondylitis: case report 658
MAHIDA B H *see* DUNN N A *et al*
MAIER J *see* CHAIAMNUAY P *et al*
MAINI R N *see* ERHARDT C C *et al*
MELSOM R D *et al*
MAJOR G A C *see* BOGDUK N *et al*
MALAVIYA A N *see* PRAKASH S *et al*
MALCOLM L P *see* CLARRIS B J *et al*
MASLEN C *see* HAWKINS S *et al*
Mast cells, at sites of cartilage erosion, rheumatoid joint 76
MATHEWS M B *see* BERNSTEIN R M *et al*
MAVRIDIS A C *see* MOUTSOPOULOS H M *et al*
MAYO K M *see* BARBER K E *et al*
MEATS J E *see* RICHARDSON H J *et al*
Mechanoreceptors, articular, slowly adapting, cat knee joint, response to alterations in intra-articular volume 327
MEDSGER T A *see* BRANDWEIN S R *et al*
MEHRA N K *see* PRAKASH S *et al*
MEIKLE M C *see* HEATH J K *et al*
MELSOM R D, SMITH P R and MAINI R N Analysis of circulating immune complexes isolated by affinity chromatography from the sera of rheumatoid arthritis patients 116 *P*
Menopausal status, oestrogen-use, and relationship to rheumatoid arthritis 115 *P*
MENS J and VAN DER KORST J K Calcifying supracoracoid bursitis as a cause of chronic shoulder pain: case report 758
MERCADANTI M *see* FERRACCIOLI G F *et al*
MERÉTEY K, FALUS A, BÖHM U, PERMIN H and WIIK A IgE class immune complexes in Felty's syndrome: characterisation of antibody activities in isolated complexes 246
MERRICK M V *see* DUNN N A *et al*
Mesangial glomerulonephritis, association with haematuria in rheumatoid arthritis 440

Mesothelioma, pericardial, presenting as systemic lupus erythematosus: case report 515
Metabolic bone disease, incidence in rheumatoid arthritis and osteoarthritis 370, 117 *P*
Methylprednisolone therapy, high-dose, effect on phagocyte function in systemic lupus erythematosus 541
Microcrystal deposition, multiple, disease, with systemic lupus erythematosus: case report 498
Microglobulin β_2-, binding activity in serum from patients with SLE 267
Microvascular filtration, in connective tissue disorders 576
MILLER C *see* DAVIS P *et al*
Milwaukee shoulder syndrome, histopathological and ultrastructural studies of synovium, basic calcium phosphate crystal arthropathy 734
MITCHELL S *see* EMERY P *et al*
MITTELMAN M *see* PEREK J *et al*
MOALLA M *see* HAMZA M *et al*
MODY G M and NAIDOO P D Gout in South African blacks 394
MOHR W *see* WAGNER T and MOHR W
Monocytes
peripheral blood, rheumatoid arthritis, enhanced bacterial phagocytosis 435
superoxide anion production, rheumatoid arthritis 28
Mononuclear cells
factor/interleukin-1, human, partially purified, modulating connective tissue turnover 106 *P*
spontaneously proliferating, characteristics, in rheumatoid arthritis 703
phagocytes, rheumatoid arthritis, Fc-receptor expression by peripheral blood monocytes 424
MOODY B J *see* HELLIWELL M *et al*
MOOLENBURGH J D, MOORE S, VALKENBURG H A and ERASMUS M G Rheumatoid arthritis in Lesotho 40
MOORE A *see* SIN Y M *et al*
MOORE A R and SEDGWICK A D *et al*
MOORE S *see* MOOLENBURGH J D *et al*
MOORE T E *see* MCGUIGAN L E *et al*
MORE R, STERN Z, GALON Y and LAUFER A Antibodies to cultured rat heart cells in sera of patients with rheumatoid arthritis 483
MORLEY A R *see* HORDON L D *et al*
SELLARS L *et al*
MORLEY K D *see* MACKWORTH-YOUNG C G *et al*
MORRIS C J *see* FARR M *et al*
SCOTT D L *et al*
MOUTSOPOULOS H M, GIOTAKI H, MADDISON P J, MAVRIDIS A C, DROSOS A A and SKOPOULI F N Antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases: anti-Ro(SSA) antibody a possible marker of penicillamine-D intolerance 285
see also ELKON K B *et al*
MÜFTÜOGLU A *see* YAZICHI H *et al*
MÜFTÜOĞLU A Ü *see* YAZICHI H *et al*
MUIRDEN K D *see* CLARRIS B J *et al*
MUMFORD P *see* ERHARDT C C *et al*
MUNTON J S, ELLIS M I and WRIGHT V Use of electromyography to study leg muscle activity in patients with arthritis and in normal subjects during rising from a chair 63
Musculoskeletal abnormalities, multiple, family with 275
Mycobacterium kansasii, synovial infection 80
Myeloma, anaplastic, in systemic lupus erythematosus: case report 653
Myocrisin, and free thiomalate in plasma and urine 66
Myositis ossificans, malignant, occult gastric carcinoma presenting as an acute rheumatic disorder: case report 95

NAIDOO P D *see* MODY G M and NAIDOO P D
Natural killer cell activity, inhibition by systemic lupus erythematosus serum, roles of disease activity and serum interferon 457
Nephrotic syndrome and renal impairment associated with fenclofenac: case report 513
NETTER P *see* ALBISER G *et al*
NEUMAN N V *see* SHINEBAUM R *et al*
Neutrophil
activation by immune complexes, role of rheumatoid factor 34
migration, enhanced, in vivo HLA B27 positive subjects 181
NEWBERG A H *see* CANOSO J J *et al*
Ng K C, REVELL P A, BEER M, BOUCHER B J, COHEN R D and CURREY H L F Incidence of metabolic bone disease in rheumatoid arthritis and osteoarthritis 370
see also REVELL P A *et al*
NICHOLAS J J *see* ROSENBAUM L H *et al*
NICHOLLS S P, GATHERCOLE L J and SHAH J S Morphology of human palmaris longus tendon 477
Nifedipine, clinical and laboratory effects in treatment of Raynaud's phenomenon (RP) 110 *P*
NISHIKAI M, OKANO Y, YAMASHITA H and WATANABE M Characterisation of centromere (kinetochore) antigen reactive with sera of patients with a scleroderma variant (CREST syndrome) 819
see also OKANO Y *et al*
NISSINEN A *see* SALMINEN I *et al*
Nodal osteoarthrosis, relationship with prevalence of periarticular calcifications in pyrophosphate arthropathy 255
Non-steroidal, anti-inflammatory drugs
in sacroiliitis, scintiscanning in assessing efficacy 157
salicylate interactions: correspondence 351
NORTON W L Brucellosis and rheumatic syndromes in Saudi Arabia 810
NOTARIANNI L J *see* COLLINS A J *et al*
Nuclear magnetic resonance (NMR), tomographic imaging, popliteal cysts, rheumatoid arthritis 56
Nucleoside triphosphate pyrophosphohydrolase, identification in normal human articular chondrocytes in monolayer culture 107 *P*
NUKI G *see* DUNN N A *et al*
HURST N P *et al*
REID D M *et al*
Nutritional status, rheumatoid arthritis 386

OBITUARY, Professor Gerald P. Rodnan 124
OBLEY D L *see* ROSENBAUM L H *et al*
O'CONNOR P, BRERETON J D and GARDNER D L Hyaline articular cartilage dissected by papain: light and

scanning electron microscopy and micromechanical studies 320
Oestrogen-use, menopausal status, and relationship to rheumatoid arthritis 115 *P*
OKANO Y, NISHIKAI M and SATO A Scleroderma, primary biliary cirrhosis, and Sjogren's syndrome after cosmetic breast augmentation with silicone injection: a case report of possible human adjuvant disease: case report 520
see also NISHIKAI M *et al*
Olecranon brusitis, traumatic, corticosteroid injection, long-term follow-up 44
Osteoarthritis
experimentally induced, biomechanical and biochemical properties of cartilage, dog 83
and rheumatoid arthritis, incidence of metabolic bone disease 370, 117 *P*
Osteoarthrosis
nodal primary generalised, bone mass 240
relationship with prevalence of periarticular calcifications in pyrophosphate arthropathy 255
transcutaneous electrical nerve stimulation 47
Osteoblasts, possible role in bone resorption 105 *P*
Osteomyelitis, pyogenic, presenting as an acute sterile arthropathy 607
Osteoporosis
Consensus Development Conference, Maryland USA, April 1984, announcement 123
in rheumatoid arthritis, prolonged low-dose corticosteroid therapy 24
Osteosclerosis and new bone formation, in young and late onset rheumatoid arthritis, according to rheumatoid factor seropositivity: correspondence 661
OSTERLAND C K *see* FITZCHARLES M *et al*
ÖSTERMAN T *see* KOIVURANTA-VAARA P *et al*
Oxprenolol, precipitating acute psoriatric arthropathy: case report 102
Oxygen free-radicals, mediate an inhibition of proteoglycan synthesis in cultured articular cartilage 462
ÖZCAN K *see* AKOĞLU T *et al*
ÖZDOĞAN H *see* YAZICHI H *et al*
ÖZER F L *see* AKOĞLU T *et al*
ÖZYAZGAN Y *see* YAZICHI H *et al*

PAGE-THOMAS D P *see* BARD D R *et al*
Paget's disease, bone and joint symptoms 769
PAICE E *see* ISENBERG D A *et al*
Palindromic rheumatism, HLA types: correspondence 538
Palmaris longus tendon, human, morphology 477
PALMER D G and SCHUMACHER H R Synovitis with non-specific histological changes in synovium in chronic sarcoidosis 778
PANAYI G *see* EMERY P *et al*
PANAYI G S *see* EMERY P *et al*
GRIFFIN A J *et al*
Papain, hyaline articular cartilage dissection, light and scanning electron microscopy and micromechanical studies 320
Parasitic arthritis, induced by *Strongyloides stercoralis:* case report 523
PARK H, SCHUMACHER H R, ZEIGER A R and ROSENBAUM J T Antibodies to peptidogylcan in patients with spondylarthritis: a clue to disease aetiology? 725
PARKE A L, FAGAN E A, CHADWICK V S and HUGHES G R V Coeliac disease and rheumatoid arthritis 378
see also MACKWORTH-YOUNG C G *et al*
PARRY R *see* DE VERE-TYNDALL A *et al*
PATEL B *see* HARRIS E N *et al*
Pathergy reaction, and Behçet's syndrome, Britain 70
Turkish and British patients compared disease 74
PAUL H *see* RODRÍGUEZ M A *et al*
PAULUS H E *see* FURST D E *et al*
PAYNE C M E R *see* FOLEY J A and PAYNE C M E R
PAZARLI H *see* YAZICHI H *et al*
PEASE C T, FORDHAM J N and CURREY H L F Polymorphonuclear cell motility, ankylosing spondylitis, and HLA B27 279
Pedobarography, foil, for feet pressures 816
PEEL M M *see* DAVIS J M and PEEL M M
PEÑA J M, GARCIA-ALEGRIA J, CRESPO M, GIJÓN J and VAZQUEZ J J Spontaneous rupture of the spleen in RA: correspondence 539
Penicillamine (D)
in rheumatoid arthritis treatment, outcome 398
effects on growth and cell cycle kinetics of cultured rabbit articular chondrocytes 333
intolerance, anti-Ro(SSA) antibody a possible marker, antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases 285
pharmacokinetics, man 112 *P*
thrombokinetics in rheumatoid arthritis 402
toxicity, in rheumatid arthritis, genetic determinants 113 *P*
withdrawal, rheumatoid arthritis 213
Peptidoglycan, antibodies in spondylarthritis 725
PEREK J, MITTELMAN M, EISBRUCH A and DJALDETTI M Systemic lupus erythematosus preceded by long-term cryoglobulinaemia: case report 339
PERMIN H *see* MERÉTEY K *et al*
PERNAMBUCO J C *see* SCHEINBERG M A *et al*
PERRETT D *see* RUDGE S R *et al*
PERSON D A *see* GIANNINI E H *et al*
PESKETT S A *see* SO A K L *et al*
PETERSEN J, INGEMANN-HANSEN T and HALKJAER-KRISTENSEN J Spontaneous and induced immunoglobulin secretion by synovial fluid B lymphocytes in rheumatoid arthritis 140
PETITALOT J P *see* THOMAS PH *et al*
Phagocyte
function in systemic lupus erythematosus, effect of high-dose methylprednisolone therapy 541
cells, respiratory burst, effect of gold compounds 112 *P*
PHILLIPS H *see* FAIRBANK J C T *et al*
PIERRE J ST *see* ST PIERRE J
PLATT P N and GRIFFITHS I D Pyogenic osteomyelitis presenting as an acute sterile arthropathy 607
PLATTS M E *see* EHRENFELD M *et al*
Polyarthritis
adjuvant-induced, influence of rat strain and arthritogen on actions of gold drugs 111 *P*

and Hashimoto's thyroiditis, possible subset of seronegative polyarthritis 594
Polymorphonuclear
cell motility, ankylosing spondylitis, and HLA B27 279
leucocyte, chemotaxis, impaired, rheumatoid arthritis 151
motility, normal, changes after ingestion of IgG aggregates 146
Polymyalgia rheumatica
and antimitochondrial antibodies 264
and temporal arteritis, fibrin(ogen)olysis in 721
POPERT A J *see* SCOTT D L *et al*
Popliteal
cysts, rheumatoid arthritis, nuclear magnetic resonance (NMR) tomographic imaging 56
masses, masquerading as popliteal cysts 60
POTASMAN I and BASSAN H M Multiple tendon rupture in systemic lupus erythematosus: case report and review of the literature: case report 347
POUPET J Y *see* THOMAS PH *et al*
PRAKASH S, MEHRA N K, BHARGAVA S, VAIDYA M C and MALAVIYA A N Ankylosing spondylitis in North India: a clinical and immunogenetic study 381
Prednisolone
dosage, timing, and morning stiffness, in rheumatoid arthritis 790
and methotrexate (MTX), influence on inflammation 112 *P*
PRIOR P, SYMMONS D P M, HAWKINS C F, SCOTT D L and BROWN R Cancer morbidity in rheumatoid arthritis 128
see also SYMMONS D P M *et al*
PRITCHARD M H Synovial protease/inhibitor ratios in erosive and nonerosive arthropathies 50
Proceedings Heberden Society, Annual General Meeting and Oration, London, November 1983 105
Properdin factor B (Bf) and HLA, rheumatoid arthritis 118 *P*
Prostacyclin levels, and red cell deformability, in systemic sclerosis 117 *P*
Prostaglandin action, inhibition, and bone resorption by copper 841
Protein energy malnutrition, role in mechanisms of depressed delayed-type hypersensitivity in rheumatoid arthritis 430
Proteoglycans
and fibronectin, localisation in cartilage 107 *P*
synthesis, in cultured articular cartilage, oxygen free-radicals mediate inhibition 462
PROUSE P J *see* WILSON A P R *et al*
Pseudothrombosis and shoulder joint rupture, rheumatoid arthritis: case report 503
Psoriatric arthropathy, acute, precipitated by oxprenolol: case report 102
PULLAR T, HUNTER J A and CAPELL H A Does second-line therapy affect the radiological progression of rheumatoid arthritis? 18, 114 *P* correction 540
see also CAPELL H A *et al*
MADHOK R *et al*
Pulmonary
changes, progressive cavitating, in rheumatoid arthritis: case report 98
thromboembolism, and fetal pulmonary hypertension, lupus anticoagulant 760
PYSENT P B *see* FAIRBANK J C T *et al*
Pyogenic osteomyelitis, presenting as an acute sterile arthropathy 607
Pyrophosphate arthropathy, prevalence of periarticular calcifications in, their relation to nodal osteoarthrosis 255

Radiological
changes, rheumatoid arthritis, progression 8
progression, rheumatoid arthritis, second-line therapy 18: correction 540
Radionuclide liver scans, abnormal, in giant cell arteritis 583
RAJAPAKSE D A *see* TILIAKOS N A *et al*
RAPPOPORT G *see* GERSTER J C *et al*
RASHDI T *see* GRIEVE D W and RASHDI I
RAUCH J *see* SHOENFELD Y *et al*
Raynaud's phenomenon (RP), treatment, clinical and laboratory effects of nifedipine 110 *P*
Red cell deformability, and prostacyclin levels, in systemic sclerosis 117 *P*
REEVE J *see* WOO P *et al*
REID D M, KENNEDY N S J, SMITH M A, TOTHILL P and NUKI G Bone mass in nodal primary generalised osteoarthrosis 240
Reiter's syndrome, and trauma, development of 'reactive arthropathy' 829
Renal impairment and nephrotic syndrome associated with fenclofenac: case report 513
RENNIE J A N *see* HULL R G *et al*
REPO H *see* KOIVURANTA-VAARA P *et al*
RESNICK D Arthropathy of calcium pyrophosphate deposition disease and of haemochromatosis: correspondence 536
Retinol, differential responses of articular cartilage 833
Retrocalcaneal bursa, aspiration 308
REVELL P *see* LEADER M *et al*
REVELL P A, NG K C, BEER M, BOUCHER B J, COHEN R D and CURREY H L F The incidence of metabolic bone disease in rheumatoid arthritis and osteoarthritis 117 *P*
see also NG K C *et al*
REVILLARD J P *see* BONVOISIN B *et al*
REYNOLDS J J *see* HEATH J K *et al*
Rheumatic
or glandular fever, history: correspondence 124
syndromes and brucellosis, Saudi Arabia 810
Rheumatism, soft tissue, transcutaneous electrical nerve stimulation (TENS) and placebo, double-blind comparison 110 *P*
Rheumatoid arthritis
analysis of circulating immune complexes isolated by affinity chromatography from sera 116 *P*
cancer morbidity 128
chloroquine and dapsone treatment, 6-month comparative study 200
circadian variation in biochemical assessments 444
clinical judgment. III. British rheumatologists' judgments of 'change in response to therapy' 686: IV.

rheumatologists' assessments of disease remain stable over long periods 695
and coeliac disease 378
D-penicillamine withdrawal 213
decreased plasma fibrinolysis 774
early. I. Prognostic value of IgA rheumatoid factor 673: II. Association of rheumatoid factor isotypes with fluctuations in disease activity 679
synovial synthesis of rheumatoid factors and immune complex constituents 235
enhanced bacterial phagocytosis by peripheral blood monocytes 435
familial, genetic linkage studies 118 *P*
'fibrositis' syndrome and carpal tunnel syndrome 232
genetic determinants of D-penicillamine (DP) toxicity 113 *P*
gold, penicillamine, sulphasalazine, or dapsone treatment, outcome 398
haematuria in, association with mesangial glomerulonephritis 440
HLA antigens, in normal or elevated serum antibody levels to native type II collagen 119 *P*
DR antigens and disease expression 218
and immunoglobulin G heavy chain, epidemiological study 613
and properdin factor B (Bf) 118 *P*
immune deposits at dermoepidermal junction: correspondence 537
impaired polymorphonuclear leucocyte chemotaxis 151
increased DNA and/or RNA content of synovial fluid cells, flow-cytometry study 222
ischaemic colitis and immune complexes during gold therapy: case report 495
laminin and vascular proliferation 551
lateral subluxation of atlas, case report and post-mortem study: case report 341
Lesotho 40
lymphoproliferative malignancy, 20 cases 132
and malignant histiocytosis of the intestine: correspondence 766
mechanisms of depressed delayed-type hypersensitivity, role of protein energy malnutrition 430
microfocal radiographic examination of erosions in wrist and hand 160
monocyte superoxide anion production 28
mononuclear phagocytes in, Fc-receptor expression by peripheral blood monocytes 424
nuclear magnetic resonance (NMR) tomographic imaging for popliteal cysts 56
nutritional status 386
oestrogen-use and menopausal status 115 *P*
and osteoarthritis, incidence of metabolic bone disease 370, 117 *P*
osteoporosis in, prolonged low-dose corticosteroid therapy 24
prednisolone dosage, timing, and morning stiffness 790
presence of abnormal lysosomes in lymphocytes and neutrophils during chloroquine therapy, quantitative ultrastructural study 710
progressive cavitating pulmonary changes: case report 98
radiological changes, progression 8
radiological progression, second-line therapy 18: 114, *P*, correction 540
second-line therapy, and 'intention to treat', four-year follow-up 114 *P*
sera, antibodies to cultured rat heart cells 483
shoulder joint rupture and pseudothrombosis: case report 503
with sicca syndrome, salivary scanning 610
spontaneous and induced immunoglobulin secretion by synovial fluid B lymphocytes 140
spontaneous rupture of spleen: correspondence 539
spontaneously proliferating mononuclear cells, characteristics 703
sulphydryl (SH)-dependent lymphocyte-monocyte interactions modulate antibody synthesis 116 *P*
and systemic lupus erythematosus and their complement binding properties, characteristics of cryoglobulins 451
thrombokinetics, D-penicillamine treatment 402
total lymphoid irradiation (TLI), double-blind controlled study 121 *P*
treated with disodium aurothiomalate, free thiomalate levels 698
and type 1 diabetes mellitus: correspondence 351
Rheumatoid factor
IgA, Felty's syndrome: case report 505
role, neutrophil activation by immune complexes 34
seropositivity, osteosclerosis and new bone formation in young and late onset rheumatoid arthritis: correspondence 661
synovial synthesis, immune complex constituents in early arthritis 235
Rheumatoid joint, mast cells at sites of cartilage erosion 76
Rheumatology
XVI International Congress, New South Wales, May 1985, announcement 768
Marisa Ara prize, announcement 540
Mediterranean Congress, Naples, June 1984, announcement 352
9th Panhellenic Congress, Athens, November 1984, announcement 540
research, 5th EULAR Workshop, Milan, March 1985, announcement 540
Symposium on current immunological concepts, Budapest, September 1984, announcement 352
third Prague Symposium, June 1984, announcement 352
training for general practitioners (GPs), an evaluated programme 110 *P*
RICHARDS A J Carpal tunnel syndrome and subsequent rheumatoid arthritis in the 'fibrositis' syndrome 232
RICHARDSON H J, ELFORD P R, SHARRARD R M, GOWEN M, MEATS J E and RUSSELL R G G Modulation of connective tissue turnover by partially purified human mononuclear cell factor interleukin-1 106 *P*
RIDLEY J *see* WINYARD P *et al*
RIDLEY M G, MADDISON P J and TRIBE C R Amyloidosis and systemic lupus erythematosus: case report 649
RING E F J *see* COLLINS A J *et al*
RISKIN W *see* ALTMAN R D *et al*

RNA
antigens and cellular protein, in autoimmune disease 123 *P*
and/or DNA content, increased, synovial fluid cells, rheumatoid arthritis, flow-cytometry study 222
ROBERTS B VERNON- *see* VERNON-ROBERTS B
ROBERTS S *see* BINDER A I *et al*
BULGEN D Y *et al*
ROBERTS-THOMSON P J *see* GALE R *et al*
Robertson J C *see* HELLIWELL M *et al*
SATTAR M A *et al*
RODNAN G P *see* BRANDWEIN S R *et al*
RODNAN, Professor Gerald P., obituary 124
RODRÍGUEZ M A, PAUL H, ABADÍ I, BRAVO J R and ARMAS P Multiple microcrystal deposition disease in a patient with systemic lupus erythematosus: case report 498
ROELKE M S *see* CRISP A J *et al*
ROGERS K *see* CLARRIS B J *et al*
ROMBERG-ANDERSEN Ø *see* GRAN J T *et al*
ROMUNDE L K J VAN *see* VAN ROMUNDE L K J
RONOT X *see* JAFFRAY P *et al*
ROOD J J VAN *see* VAN ROOD J J
ROPER D *see* DE CEULAER K *et al*
ROSENBAUM J T *see* PARK H *et al*
ROSENBAUM L H, NICHOLAS J J, SLASKY B S, OBLEY D L and ELLIS L D Malignant myositis ossificans: occult gastric carcinoma presenting as an acute rheumatic disorder: case report 95
ROSSI F *see* THOMAS PH *et al*
ROTHFUSS S *see* BARDIN T *et al*
ROWE D *see* ISENBERG D A *et al*
ROWLEY D, GUTTERIDGE J M, BLAKE D R, FARR M and HALLIWELL B Iron, lipid peroxidation and inflammatory joint disease 108 *P*
Rubifacient, topical, 'deep-heat', observations on pharmacology 411
RUDGE S R, PERRETT D and SWANNELL A J Free thiomalate levels in patients with rheumatoid arthritis treated with disodium aurothiomalate: relationship to clinical outcome of therapy 698
Free thiomalate in plasma and urine of patients receiving sodium aurothiomalate 66
RUSSELL A S *see* CHAIAMNUAY P *et al*
RUSSELL R G G *see* CASWELL A M and RUSSELL R G G RICHARDSON H J *et al*

SAAB M *see* FURST D E *et al*
Sacroiliac
changes, at 10-year follow-up of juvenile chronic arthritis previously tissue typed for HLA-A and B loci 119 *P*
scintiscanning, in assessing efficacy NSAIDS in sacroiliitis 157
tests, ankylosing spondylitis, low back pain, 2 studies 192
SAINTONGE D M, CHAPUT DE *see* CHAPUT DE SAINTONGE D M
Salicylate-NSAID interactions: correspondence 351
SALISBURY R S *see* JONES C J P *et al*
Salivary scanning, in rheumatoid arthritis with sicca syndrome 610
SALMINEN I, VON ESSEN R, KOOTA K and NISSINEN A A pitfall in purulent arthritis brought out in *Kingella kingae* infection of the knee: case report 656
SALMON M *see* SCOTT D G I *et al*
SALMON M *see* SCOTT D L *et al*
SALTER R H *see* SELLARS L *et al*
Sarcoidosis, chronic, and synovitis, with non-specific histological changes in synovium 778
SATO A *see* OKANO Y *et al*
SATTAR M A, CAWLEY M I D, HAMBLIN T J and ROBERTSON J C Polymyalgia rheumatica and antimitochondrial antibodies 264
SAVERYMUTU S H *see* BERNSTEIN R M *et al*
SCHEINBERG M A, PERNAMBUCO J C and BENSON M D DMSO and colchicine therapy in amyloid disease 421
SCHNITZER T J *see* YTTERBERG S R and SCHNITZER T J
SCHUMACHER H R *see* BARDIN T *et al*
PALMER D G and SCHUMACHER H R
PARK H *et al*
SCHWARTZ R S *see* SHOENFELD Y *et al*
Scintiscanning, in assessing efficacy of NSAIDS in sacroiliitis 157
Scleroderma, primary biliary cirrhosis, and Sjögren's syndrome, after cosmetic breast augmentation with silicone injection, possible human adjuvant disease: case report 520
SCOTT D G I, BLAKE D R, BLANN A, SALMON N, BRAILSFORD S, WINYARD P and BACON P A The role of lymphocytes and serum factors in vasculitic diseases 116 *P*
SCOTT D L, GRINDULIS K A, STRUTHERS G R, COULTON B L, POPERT A J and BACON P A Progression of radiological changes in rheumatoid arthritis 8
SALMON M, MORRIS C J, STEVEN M M and WALTON K W Laminin and vascular changes in synovial inflammation 109 *P*
WAINWRIGHT A C and WALTON K W Laminin and vascular proliferation in rheumatoid arthritis 551
see also PRIOR P *et al*
SYMMONS D P M *et al*
SEARLE C *see* KEMP A S *et al*
Second-line therapy, affecting radiological progression of rheumatoid arthritis 18: 114 *P* correction 540
rheumatoid arthritis, absence of placebo response, an obstacle to outcome measurement 114 *P*
SEDGWICK A D, SIN Y M, MOORE A R, EDWARDS J C W and WILLOUGHBY D A Effects of local administration of hydrocortisone on cartilage degradation in vivo 418, 106 *P*
SEED M P *see* COLLINS A J *et al*
SEGAL A W *see* BOGHOSSIAN S H *et al*
SEIFERT M H *see* TEITSSON I *et al*
WITHRINGTON R H *et al*
SELLARS L, WILKINSON R, MORLEY A R and SALTER R H Nephrotic syndrome and renal impairment associated with fenclofenac: case report 513
see also HORDON L D *et al*
SIN Y M *et al*
SERDAROĞLU S *see* YAZICI H *et al*
SERJEANT G R *see* DE CEULAER K *et al*

Seronegative
rheumatoid arthritis, distinct radiological entity, controlled study versus seropositive disease 117 *P*
spondarthritis': correspondence 662
Serum factors and lymphocytes, role in vasculitic diseases 116 *P*
SETTAS L *see* MACFARLANE D G and SETTAS L
Sex hormones, in men with systemic lupus erythematosus and other chronic diseases 115 *P*
SHADFORTH M F *see* FOWLER P D *et al*
SHAH J S *see* NICHOLLS S P *et al*
SHARRARD R M *see* RICHARDSON H J *et al*
SHINEBAUM R, NEUMANN V, HOPKINS R, COOKE E M and WRIGHT V Attempt to modify klebsiella carriage in ankylosing spondylitic patients by diet: correlation of klebsiella carriage with disease activity 196
SHOENFELD Y, ISENBERG D A, RAUCH J, MADAIO M P, STOLLAR B D and SCHWARTZ R S Idiotypic cross-reactions of monoclonal human lupus autoantibodies 122 *P*
Shoulder
hand syndrome, and symmetrical arthralgia in tubo-ovarian carcinoma 391
joint rupture and pseudothrombosis, rheumatoid arthritis: case report 503
pain, chronic, caused by calcifying supracoracoid bursitis: case report 758
syndrome, Milwaukee, histopathological and ultrastructural studies of synovium, basic calcium phosphate crystal arthropathy 734
Sicca syndrome (primary Sjögren's syndrome), autoantibodies in 243
and rheumatoid arthritis, salivary scanning 610
see also Sjögren's syndrome
Sickle cell disease, and non-gouty arthritis, 37 consecutive cases 599
Silicon
containing particles, transmission electron microscopic identification, in synovial fluid 624
injection, cosmetic breast augmentation, scleroderma, primary biliary cirrhosis, and Sjögren's syndrome after, possible human adjuvant disease: case report 520
SILVA M DE *see* DE SILVA M
SIN M Y *see* SEDGWICK A D *et al*
SIN Y M, SEDGWICK A D, MOORE A and WILLOUGHBY D A Studies on the clearance of calcium pyrophosphate crystals from facsimile synovium 487
see also SEDGWICK A D *et al*
SIPE J D *see* BRANDWEIN S R *et al*
SITTON N G, TAGGART A J, DIXON J S, SURRALL K E and BIRD H A Circadian variation in biochemical assessments used to monitor rheumatoid arthritis 444
Sjögren's syndrome (sicca syndrome)
autoantibodies in 243
scleroderma, and primary biliary cirrhosis, after cosmetic breast augmentation with silicone injection, possible human adjuvant disease: case report 520
secondary, immunohistological study 470
see also Sicca syndrome
SKINNER M *see* BRANDWEIN S R *et al*
SKINNER R P *see* MADDISON P J *et al*
SKINNER S J M *see* KATZ J M *et al*
SKOPOULI F N *see* MOUTSOPOULOS H M *et al*
SLASKY B S *see* ROSENBAUM L H *et al*
SMEATON I *see* KLIMIUK P S *et al*
SMITH F W *see* HULL R G *et al*
SMITH K *see* CLELAND L G *et al*
SMITH M A *see* REID D M *et al*
SMITH P R *see* MELSOM R D *et al*
SNAITH M L *see* BOGHOSSIAN S H *et al*
EDWARDS J C W and SNAITH M L
SO A K L, PESKETT S A and WEBSTER A D B Hypogammaglobulinaemia associated with gold therapy 581
Sodium aurothiomalate, free thiomalate in plasma and urine 66
Soft tissue rheumatism, transcutaneous electrical nerve stimulation (TENS) and placebo, double-blind comparison 110 *P*
SONKOLY I *see* LUKÁCS K *et al*
South African blacks, gout 394
SPEIZER F *see* LIANG M H *et al*
Spinal disorders, International course on diagnosis, treatment and rehabilitation, Gothenburg, June 1984, announcement 352
Spleen, spontaneous rupture, rheumatoid arthritis: correspondence 539
Spondylarthritis
and antibodies to peptidoglycan 725
seronegative: correspondence 662
Spondylitis and brucellosis, Saudi Arabia 810
ST PIERRE J *see* FITZCHARLES M *et al*
STAMP T C B *see* WINFIELD J and STAMP T C B
STERN Z *see* MORE R *et al*
STERZ M G *see* FURST D E *et al*
STEVEN M M
LENNIE S E, STURROCK R D and GEMMELL C G Enhanced bacterial phagocytosis by peripheral blood monocytes in rheumatoid arthritis 435
WESTEDT M L, EULDERINK F, HAZEVOET H M, DIJKMAN J H and CATS A Systemic lupus erythematosus and invasive thymoma: report of two cases 825
see also SCOTT D L *et al*
STEWART J *see* ISENBERG D A *et al*
STODELL M A, BUTLER R C, ZEMELMAN V A, HENRY K and BREWERTON D A Increased numbers of IgG-containing cells in rectal lamina propria of patients with ankylosing spondylitis 172
STOKER V *see* LIANG M H *et al*
STOLLAR B D *see* SHOENFELD Y *et al*
STØRMER J *see* GRAN J T *et al*
STROBER S *see* CALIN A *et al*
STRÖM T *see* EVRIN P E and STRÖM T
Strongyloides sterocoralis, causing parasitic arthritis: case report 523
STRUTHERS G R *see* FARR M *et al*
SCOTT D L *et al*
STURROCK R *see* MADHOK R *et al*
STURROCK R D *see* BELCH J J F *et al*
FROEBEL K *et al*
LEWIS D *et al*
STEVEN M M *et al*
Subluxation, lateral, atlas in rheumatoid arthritis, case report and post-mortem study: case report 341

Sulphasalazine, in rheumatoid arthritis treatment, outcome 398
Sulphydryl (SH)-dependent lymphocyte-monocyte interactions modulate antibody synthesis in rheumatoid patients 116 *P*
Surfactants, identified in synovial fluid, ability to act as boundary lubricants 641
SURRALL K E *see* SITTON N G *et al*
SWANNELL A J *see* GRIFFITHS H T *et al*
RUDGE S R *et al*
SYMMONS D *see* EMERY P *et al*
SYMMONS D P M, AHERN M, BACON P A, HAWKINS C F, AMLOT P L, JONES E L, PRIOR P and SCOTT D L Lymphoproliferative malignancy in rheumatoid arthritis: a study of 20 cases 132
see also PRIOR P *et al*
Synovial
cells, cyclic AMP modulated by heparin 628
fluid, B lymphocytes, spontaneous and induced immunoglobulin secretion, rheumatoid arthritis 140
Synovial fluid cells, rheumatoid arthritis, increased DNA and/or RNA content, flow-cytometry study 222
complement levels, Behçet's disease: correspondence 767
lactate levels, in septic and non-septic arthritides 742
surfactants in, ability to act as boundary lubricants 641
infection, with *Mycobacterium kansasii* 80
inflammation, laminin and vascular changes 109 *P*
protease/inhibitor ratios, in arthropathies, erosive and nonerosive 50
Synovitis
in chronic sarcoidosis, non-specific histological changes in synovium 778
fibre glass induced: case report 530
rheumatoid, a localised form of angioneurotic oedema? 109 *P*
Synovium, facsimile, calcium pyrophosphate crystals, clearance 487
Systemic lupus erythematosus
and amyloidosis: case report 649
and anaplastic myeloma: case report 653
C4 deficiency, and Whipple's disease: correspondence 535
and other chronic diseases, sex hormones, men 115 *P*
effect of high-dose methylprednisolone therapy on phagocyte function 541
idiotypic cross-reactions 122 *P*
and invasive thymoma, two cases 825
with multiple microcrystal deposition disease: case report 498
multiple tendon rupture, case report and review of literature: case report 347
pericardial mesothelioma: case report 515
preceded by long-term cryoglobulinaemia: case report 339
presence of abnormal lysosomes in lymphocytes and neutrophils during chloroquine therapy, quantitative ultrastructural study 710
and rheumatoid arthritis and their complement binding properties, characteristics of cryoglobulins 451
selective C4 deficiency, and Whipple's disease: case report 91
sera, effects of immune complexes from, on human monocyte locomotion and Fc receptor function 729
binding activity of β_2-Microglobulin 267
inhibiting natural killer cell activity, roles of disease activity and serum interferon 457
study of lymphocytotoxins in families of patients 136
Systemic sclerosis (scleroderma)
antihypertensive therapy, controlled trial 407
and CREST syndrome, clinical and serological comparison 794
serum amyloid A protein concentration 586
prostacyclin levels, and red cell deformability 117 *P*
SZABÓ G *see* LUKÁCS K *et al*
SZEGEDI G Y *see* LUKÁCS K *et al*

Tachyarrhythmia in yersinia arthritis: correspondence 535
TAGGART A J, IVESON J M I and WRIGHT V Shoulder-hand syndrome and symmetrical arthralgia in patients with tuboovarian carcinoma 391
TAGGART A J *see* SITTON N G *et al*
TAMPI R *see* THOMAS D *et al*
TAN E M *see* GRAU R G *et al*
TANAY A *see* CALIN A *et al*
TAYLOR P C R *see* JONES V *et al*
Technique-related variation in results of FANA tests 755
TEITSSON I, WITHRINGTON R H,SEIFERT M H and VALDIMARSSON H Prospective study of early rheumatoid arthritis. I. Prognostic value of IgA rheumatoid factor 673
see also WITHRINGTON R H *et al*
Temporal arteritis, fibrin(ogen)olysis in 721
Temporal artery biopsy, corticosteroid treatment 416
TENENBAUM J *see* ALTMAN R D *et al*
Thiomalate, free
levels in rheumatoid arthritis treated with disodium aurothiomalate 698
in plasma and urine, sodium aurothiomalate 66
THOMAS D, GALLUS A S, BROOKS P M, TAMPI R, GEDDES R and HILL W Thrombokinetics in patients with rheumatoid arthritis treated with D-penicillamine 402
THOMAS D J B Rheumatoid arthritis and type 1 diabetes mellitus: correspondence 351
THOMAS D P PAGE- *see* PAGE-THOMAS DP
THOMAS PH, ALLAL J, BONTOUX D, ROSSI F, POUPET J Y, PETITALOT J P and BECQ-GIRAUDON B Rheumatological manifestations of infective endocarditis 716
THOMAS S M *see* BUTLER R C *et al*
THOMPSON J M *see* BUTLER R C *et al*
THOMPSON M *see* HORDON L D *et al*
THOMSON P J ROBERTS- *see* ROBERTS-THOMSON P J
THOMPSON P W, KIRWAN J R and BARNES C G Practical results of treatment with antirheumatoid drugs 121 *P*
Thrombocytopenia, and chrysotherapy 113 *P*
Thrombokinetics, in rheumatoid arthritis, D-penicillamine treatment 402
Thrombosis, anticardiolipin antibodies, detection by new solid phase radio-immunoassay, striking association 122 *P*

Thymoma, invasive, and systemic lupus erythematosus, two cases 825
TILIAKOS N A, RAJAPAKSE D A and WILSON C H: HLA types and palindromic rheumatism: correspondence 538
TINCANI A *see* HULL R G *et al*
Tolmetin pseudoproteinuria, obscuring gold nephropathy due to auranofin: case report 511
TOOKMAN A *see* ISENBERG D A *et al*
Total lymphoid irradiation (TLI), rheumatoid arthritis (RA), double-blind controlled study 121 *P*
TOTHILL P *see* REID D M *et al*
Trabecular bone cells, cultured human, heparin modulates response to hormones 105 *P*
Transcutaneous electrical nerve stimulation (TENS) and placebo, double-blind comparison, soft tissue rheumatism 110 *P*
TRAPANI J A, WALKER I D and MCKENZIE I F C Two-dimensional gel analysis demonstrates no structural alteration of HLA-B27 polypeptides between patients with ankylosing spondylitis and healthy individuals 177
TRIBE C R *see* RIDLEY M G *et al*
Triamcinolone hexacetonide and intra-articular radioactive yttrium, inconclusive trial 620
Tubo-ovarian carcinoma, shoulder-hand syndrome and symmetrical arthralgia in 391
TUDOR J *see* BINDER A *et al*
TULLOCH J *see* BROUGHAM P A *et al*
TUNCER I *see* AKOĞLU T *et al*
TÜZÜN Y *see* YAZICI H *et al*
TYNDALL A DE VERE- *see* DE VERE-TYNDALL A
TYRRELL D A J *see* DE VERE-TYNDALL A *et al*

ÜLKÜ B Y *see* YAZICI H *et al*
UROWITZ M B *see* EHRENFELD M *et al*

VAARA P KOIVURANTA- *see* KOIVURANTA-VAARA P
VAIDYA M C *see* PRAKASH S *et al*
VALDIMARSSON H *see* TEITSSON I *et al*
WITHRINGTON R H *et al*
VALESINI G *see* HULL R G *et al*
VALKENBURG H A *see* DE JONGH B M *et al*
VALKENBURG H A *see* MOOLENBURGH J D *et al*
VAN DER KORST J K *see* MENS J and VAN DER KORST J K
VAN LEEUWEN A W F M *see* MACFARLANE J D *et al*
VAN ROMUNDE L K J *see* DE JONGH B M *et al*
VAN ROOD J J HLA as regulator: Heberden Oration 1983 665
see also DE JONGH B M *et al*
VAPAATALO H *see* KOIVURANTA-VAARA P *et al*
VARGOS R BURGOS- *see* BURGOS-VARGOS R
Vascular
changes and laminin, in synovial inflammation 109 *P*
proliferation and laminin, in rheumatoid arthritis 551
Vasculitic diseases, role of lymphocytes and serum factors 116 *P*
VAZQUEZ J J *see* PEÑA J M *et al*
VÉGH E *see* LUKÁCS K *et al*
VENGE P *see* HÄLLGREN R *et al*
VENNING H *see* HALL P J *et al*
VERE-TYNDALL A DE *see* DE VERE-TYNDALL A
VERNON-ROBERTS B Vertebral rim lesions in dorsolumbar spine: correspondence 662
GARRETT I R, WHITEHOUSE M W, BROOKS P M and HAYNES D R Influence of rat strain and arthritogen on actions of gold drugs in adjuvant-induced polyarthritis 111 *P*
HAY S, CLEARLY E G, WEIBKIN O W, GARRETT I R, BROOKS P M and BIGNOLD L P The influence of prednisolone (PRED) and methotrexate (MTX) on the cell and connective tissue content of subcutaneously implanted polyurethane sponges in rats 112 *P*
see also CLELAND L G *et al*
Vertebral rim lesions, dorsolumbar spine 302, correspondence 662
VON ESSEN R *see* SALMINEN I *et al*
VUENTO R, ESKOLA J, LEINO R, KOSKIMIES S and VIANDER M IgM, IgG, and IgA synthesis in vitro in persons suffering from yersinia arthritis and in patients with ankylosing spondylitis 186

WADDELL R W *see* FITZCHARLES M A *et al*
WAGNER T and MOHR W Age distribution of amyloid in the intervertebral discs: correspondence 663
WAGSTAFF S *see* BADLEY E M *et al*
WAINWRIGHT A C *see* SCOTT D L *et al*
WALKER I D *see* TRAPANI J A *et al*
WALKER S H *see* GRAU R G *et al*
WALLINGTON T B *see* JONES V *et al*
WALTON K *see* DYER P *et al*
KLIMIUK P S *et al*
WALTON K W *see* FARR M *et al*
SCOTT D L *et al*
WASNER C *see* FRIES J F *et al*
WATANABE M *see* NISHIKAI M *et al*
WATT I *see* DIEPPE P A *et al*
WEBLEY M *see* HAJIROUSSOU V J and WEBLEY M
WEBSTER A D B *see* SO A K L *et al*
WEINSTEIN P S, CANOSO J J and WOHLGETHAN J R Long-term follow-up of corticosteroid injection for traumatic olecranon bursitis 44
WEISS J B *see* EVANS H B *et al*
WESTEDT M L *see* STEVEN M M *et al*
Whipple's disease
C4 deficiency, and SLE: correspondence 535
diagnosed at hip arthroplasty: case report 526
selective C4 deficiency and systemic lupus erythematosus: case report 91
WHITEHOUSE M W *see* VERNON-ROBERTS B *et al*
WIEBKIN O W *see* VERNON-ROBERTS B *et al*
WIIK A *see* MERÉTEY K *et al*
WILKINSON R *see* HORDON L D *et al*
SELLARS L *et al*
WILLETT W *see* LIANG M H *et al*
WILLOUGHBY D A *see* SEDGWICK A D *et al*
SIN Y M *et al*
WILSON A P R, PROUSE P J and GUMPEL J M Gold nephropathy due to auranofin obscured by tolmetin pseudoproteinuria: case report 511
Listeria monocytogenes septic arthritis following intra-articular yttrium-90 therapy: case report 518

WILSON C H *see* TILIAKOS N A *et al*
WILSON R E *see* GILMAN S G *et al*
WILSON T *see* KATZ J M *et al*
WINFIELD J and STAMP T C B Bone and joint symptoms in Paget's disease 769
WINYARD P, BLAKE D, RIDLEY J, BRAILSFORD S, BLANN and LUNEC J Caeruloplasmin inflammatory joint disease 108 *P*
see also BLAKE D R *et al*
SCOTT D G I *et al*
WISNIESKI J J Trauma and Reiter's syndrome: development of 'reactive arthropathy' in two patients following musculoskeletal injury 829
WITHRINGTON R H, TEITSSON I, SEIFERT M H and VALDIMARSSON H Felty's syndrome associated with high levels of IgA rheumatoid factor: case report 505
Prospective study of early rheumatoid arthritis. II. Association of rheumatoid factor isotypes with fluctuations in disease activity 679
see also TEITSSON I *et al*
WOHLGETHAN J R *see* CANOSO J J *et al*
CANOSO J J and WOHLGETHAN J R WEINSTEIN P S *et al*
WONG K *see* DAVIS P *et al*
WOO P, COOPER C, HARRISON R, AMOS N, REEVE J and LACHMANN P J Rheumatoid synovitis—a localised form of angioneurotic oedema? 109 *P*
WOOD L and FERRELL W R Response of slowly adapting articular mechanoreceptors in the cat knee joint to alterations in intra-articular volume 327
WOOD P H N *see* BADLEY E M *et al*
WOOLEY P *see* GRIFFIN A J *et al*
WOOLF A *see* LOWTHIAN P *et al*
WOOLLEY D E *see* BROMLEY M *et al*
WRAIGHT P *see* BINDER A I *et al*
JONES J *et al*
WRIGHT A, BENFIELD G F A and FELIX-DAVIES D Ischaemic colitis and immune complexes during gold therapy for rheumatoid arthritis: case report 495
WRIGHT G *see* BOGHOSSIAN S H *et al*
WRIGHT J C BUCKLAND- *see* BUCKLAND-WRIGHT J C
WRIGHT V *see* MUNTON J S *et al*
TAGGART A J *et al*
SHINEBAUM R *et al*
Wrist, rheumatoid arthritis, microfocal radiographic examination of erosions 160

YAMASHITA H *see* NISHIKAI M *et al*
HAMASHITA T S *see* KHAN M A *et al*
YAZICI H, CHAMBERLAIN M A, TÜZÜN Y, YURDAKUL S and MÜFTÜOGLU A A comparative study of the pathergy reaction among Turkish and British patients with Behçet's disease 74
TÜZÜN Y, FAZARLI H, YURDAKUL S, ÖZYAZGAN Y, ÖZDOĞAN H, SERDAROĞLU S, ERSANLI M, ÜLKÜ B Y and MÜFTÜOĞLU A Ü Influence of age of onset and patient's sex on the prevalence and severity of manifestations of Behçet's syndrome 783
Yersinia arthritis
and ankylosing spondylitis, immunoglobulins (M, G, and A) 186
demonstration of occult enteritis by ^{111}indium leucocyte scanning: case report 493
tachyarrhythmia: correspondence 535
YOUNG C MACKWORTH- *see* MACKWORTH-YOUNG C
YTTERBERG S R and SCHNITZER T J Inhibition of natural killer cell activity by serum from patients with systemic lupus erythematosus: roles of disease activity and serum interferon 457
Yttrium, radioactive, intra-articular, and triamcinolone hexacetonide, inconclusive trial 620
Yttrium-90 therapy, intra-articular, *Listeria monocytogenes* septic arthritis following: case report 518
YURDAKUL S *see* YAZICI H *et al*

ZEIGER A R *see* PARK H *et al*
ZEMELMAN V A *see* STODELL M A *et al*

Annals of the Rheumatic Diseases

A journal of clinical rheumatology and connective tissue research

Editor H. L. F. Currey

Associate Editors C. G. Barnes V. Wright

Editorial Committee
B. M. Ansell E. G. L. Bywaters A. M. Denman
A. St. J. Dixon D. L. Gardner E. B. D. Hamilton
T. E. Hardingham E. J. Holborow G. R. Hughes
P. M. Johnson P. J. Maddison R. N. Maini A. G. Mowat
R. G. G. Russell K. W. Walton J. B. Weiss P. H. N. Wood
D. E. Woolley
Editor *British Medical Journal*

Appointed by the British Medical Association and the Arthritis and Rheumatism Council for Research

VOLUME 43, 1984

LONDON
BRITISH MEDICAL ASSOCIATION
TAVISTOCK SQUARE LONDON WC1H 9JR

CONTENTS OF VOLUME 43

No. 1 FEBRUARY, 1984

Infection and interferon production in systemic juvenile chronic arthritis: a prospective study
A. De Vere-Tyndall, Teresa Brown, Ruth Parry, D. A. J. Tyrrell, A. M. Denman, and Barbara M. Ansell 1

Progression of radiological changes in rheumatoid arthritis
D. L. Scott, K. A. Grindulis, G. R. Struthers, B. L. Coulton, A. J. Popert, and P. A. Bacon 8

Does second-line therapy affect the radiological progression in rheumatoid arthritis?
T. Pullar, J. A. Hunter, and H. A. Capell 18

Prolonged low-dose corticosteroid therapy and osteoporosis in rheumatoid arthritis
V. J. Hajiroussou and M. Webley 24

Monocyte superoxide anion production in rheumatoid arthritis: preliminary evidence for enhanced rates of superoxide anion production by monocytes from patients receiving penicillamine, sodium aurothiomalate and corticosteroids
N. P. Hurst, B. Bessac, and G. Nuki 28

Neutrophil activation by immune complexes and the role of rheumatoid factor
R. Gale, J. V. Bertouch, T. P. Gordon, J. Bradley, and P. J. Roberts-Thomson 34

Rheumatoid arthritis in Lesotho
J. D. Moolenburgh, S. Moore, H. A. Valkenburg, and M. G. Erasmus 40

Long-term follow-up of corticosteroid injection for traumatic olecranon bursitis
Philip S. Wienstein, Juan J. Canoso, and Jeffrey R. Wohlgethan 44

Transcutaneous electrical nerve stimulation in osteoarthrosis: a therapeutic alternative?
Daniel Lewis, Beverley Lewis, and Roger D. Sturrock 47

Synovial protease/inhibitor ratios in erosive and nonerosive arthropathies
M. H. Pritchard 50

Nuclear magnetic resonance (NMR) tomographic imaging for popliteal cysts in rheumatoid arthritis
R. G. Hull, J. A. N. Rennie, C. J. Eastmond, J. M. S. Hutchison, and F. W. Smith 56

Popliteal masses masquerading as popliteal cysts
H. T. Griffiths, C. W. Elston, C. L. Colton, and A. J. Swannell 60

Use of electromyography to study leg muscle activity in patients with arthritis and in normal subjects during rising from a chair
J. S. Munton, M. I. Ellis, and V. Wright 63

Free thiomalate in plasma and urine of patients receiving sodium aurothiomalate
S. R. Rudge, D. Perrett, and A. J. Swannell 66

The pathergy test and Behçet's syndrome in Britain
P. G. Davies, J. N. Fordham, J. R. Kirwan, C. G. Barnes, and W. J. Dinning 70
A comparative study of the pathergy reaction among Turkish and British patients with Behçet's disease
H. Yazici, M. A. Chamberlain, Y. Tüzün, S. Yurdakul, and A. Müftüoglu 74
Mast cells at sites of cartilage erosion in the rheumatoid joint
Michael Bromley, William D. Fisher, and David E. Woolley 76
Synovial infection with Mycobacterium kansasii
M. Leader, P. Revell, and G. Clarke 80
Biomechanical and biochemical properties of dog cartilage in experimentally induced osteoarthritis
Roy D. Altman, Jerry Tenenbaum, Loren Latta, Wayne Riskin, Luciano N. Blanco, and David S. Howell 83
Selective C4 deficiency, systemic lupus erythematosus, and Whipple's disease
Michael Ehrenfeld, Murray B. Urowitz, and M. E. Platts 91
Malignant myositis ossificans: occult gastric carcinoma presenting as an acute rheumatic disorder
Lewis H. Rosenbaum, John J. Nicholas, B. Simon Slasky, David L. Obley, and Lawrence D. Ellis 95
Progressive cavitating pulmonary changes in rheumatoid arthritis: a case report
J. D. MacFarlane, C. K. Franken, and A. W. F. M. Van Leeuwen 98
Acute psoriatric arthropathy precipitated by oxprenolol
D. G. MacFarlane and L. Settas 102
Heberden Society: Annual General Meeting and Oration 105
Book reviews 7, 23, 33, 49, 59
Notes 123
Obituary 124
Correspondence 124

No. 2 APRIL, 1984

William Harvey and his gout
F. Dudley Hart 125
Cancer mordibity in rheumatoid arthritis
P. Prior, D. P. M. Symmons, C. F. Hawkins, D. L. Scott, and R. Brown 128
Lymphoproliferative malignancy in rheumatoid arthritis: a study of 20 cases
D. P. M. Symmons, M. Ahern, P. A. Bacon, C. F. Hawkins, P. L. Amlot, E. L. Jones P. Prior, and D. L. Scott 132
A study of lymphocytotoxins in families of patients with systemic lupus erythematosus
Ron A. Hazelton 136

Spontaneous and induced immunoglobulin secretion by synovial fluid B lymphocytes in rheumatoid arthritis
Jørgen Petersen, Thorsten Ingemann-Hansen, and Jens Halkjær-Kristensen 140
Changes in normal polymorphonuclear leucocyte motility after ingestion of IgG aggregates
D. H. Goddard, A. P. Kirk, K. A. Brown, D. McCarthy, G. D. Johnson, and E. J. Holborow 146
Impaired polymorphonuclear leucocyte chemotaxis in rheumatoid arthritis
D. H. Goddard, A. P. Kirk, J. R. Kirwan, G. D. Johnson, and E. J. Holborow 151
Quantitative sacroiliac scintiscanning: a sensitive and objective method for assessing efficacy of nonsteroidal, anti-inflammatory drugs in patients with sacroilitis
N. A. Dunn, B. H. Mahida, M. V. Merrick, and G. Nuki 157
Microfocal radiographic examination of erosions in the wrist and hand of patients with rheumatoid arthritis
J. C. Buckland-Wright 160
Increased number of IgG-containing cells in rectal lamina propria of patients with ankylosing spondylitis
Malcolm A. Stodell, Robin C. Butler, Viviana A. Zemelman, Kristin Henry, and Derrick A. Brewerton 172
Two-dimensional gel analysis demonstrates no structural alteration of HLA-B27 polypeptides between patients with ankylosing spondylitis and healthy individuals
Joseph A. Trapani, Ian D. Walker, and Ian F. C. McKenzie 177
Enhanced neutrophil migration in vivo HLA-B27 positive subjects
Paivi Koivuranta-Vaara, Heikki Repo, Urpo Kiistala, Thua Österman, and Heikki Vapaatalo 181
IgM, IgG, and IgA synthesis in vitro in persons suffering from yersinia arthritis and in patients with ankylosing spondylitis
Risto Vuento, Jussi Eskola, Rauli Leino, Saija Koskimies, and Markku Viander 186
Clinical sacroiliac tests in ankylosing spondylitis and other causes of back pain—2 studies
P. W. Blower and A. J. Griffin 192
Attempt to modify klebsiella carriage in ankylosing spondylitic patients by diet: correlation of klebsiella carriage with disease activity
R. Shinebaum, V. Neumann, R. Hopkins, E. M. Cooke, and V. Wright 196
Report on chloroquine and dapsone in the treatment of rheumatoid arthritis: a 6-month comparative study
P. D. Fowler, M. F. Shadforth, P. R. Crook, and A. Lawton 200
Chloroquine: its effect on leucocyte auto- and heterophagocytosis
Carolyn J. P. Jones and Malcolm I. V. Jayson 205
D-penicillamine withdrawal in rheumatoid arthritis
M. J. Ahern, N. D. Hall, K. Case, and P. J. Maddison 213

HLA DR antigens and disease expression in rheumatoid arthritis
A. J. Griffin, P. Wooley, G. S. Panayi, and J. R. Batchelor 218
Increased DNA and/or RNA content of synovial fluid cells in rheumatoid arthritis: a flow-cytometry study
B. Bonvoisin, G. Cordier, J. P. Revillard, E. Lejeune, and M. Bouvier 222
Blood gold concentrations in children with juvenile rheumatoid arthritis undergoing long-term oral gold therapy
Edward H. Giannini, Earl J. Brewer, and Donald A. Person 228
Carpal tunnel syndrome and subsequent rheumatoid arthritis in the 'fibrositis' syndrome
Anthony J. Richards 232
Synovial synthesis of rheumatoid factors and immune complex constituents in early arthritis
Valerie Jones, P. C. R. Taylor, R. K. Jacoby, and T. B. Wallington 235
Bone mass in nodal primary generalised osteoarthrosis
D. M. Reid, N. S. J. Kennedy, M. A. Smith, P. Tothill, and G. Nuki 240
Autoantibodies in the sicca syndrome (primary Sjögren's syndrome)
Keith B. Elkon, Azzudine E. Gharavi, Graham R. V. Hughes, and Haralampos M. Moutsoupoulos 243
IgE class immune complexes in Felty's syndrome: characterisation of antibody activities in isolated complexes
K. Merétey, A. Falus, U. Böhm, H. Permin, and A. Wiik 246
Limitation of joint mobility (cheiroarthropathy) in adults noninsulin-dependent diabetic patients
M. A. Fitzcharles, S. Duby, R. W. Waddell, E. Banks, and J. Karsh 251
Prevalence of periarticular calcifications in pyrophosphate arthropathy and their relation to nodal osteoarthrosis
Jean C. Gerster, Georges Rappoport, and Jean M. Ginalski 255
Degenerated annulus fibrosus of the intervertebral disc contains collagen type II
M. Adam and Z. Deyl 258
Polymyalgia rheumatica and antimitochondrial antibodies
M. A. Sattar, M. I. D. Cawley, T. J. Hamblin, and J. C. Robertson 264
β_2-Microglobulin and its binding activity in serum from patients with SLE
P. E. Evrin, and T. Ström 267
A family with multiple musculoskeletal abnormalities
K. E. Barber, P. J. Gow, and K. M. Mayo 275
Polymorphonuclear cell motility, ankylosing spondylitis, and HLA-B27
Colin T. Pease, John N. Fordham, and H. L. F. Currey 279
Antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases: anti-Ro (SSA) antibody a possible marker of penicillamine-D intolerance
H. M. Moutsopoulos, H. Giotaki, P. J. Maddison, A. C. Mavridis, A. A. Drosos, and F. N. Skopouli 285
Quantitative measurements of joint mobility in adolescents
Jeremy C. T. Fairbank, Paul B. Pynsent, and Hugh Phillips 288
The incongruous hip joint: a loading study
N. Y. P. Afoke, P. D. Byers, and W. C. Hutton 295

Vertebral rim lesions in the dorsolumbar spine
R. C. Hilton and J. Ball 302
Aspiration of the retrocalcaneal bursa
Juan J. Canoso, Jeffrey R. Wohlgethan, Arthur H. Newberg, and Martin R. Goldsmith 308
Stimulation of glycosaminoglycan production and lysosomal activity of human synovial cells in culture by low environmental pH
B. J. Clarris, J. R. E. Fraser, K. D. Muirden, L. P. Malcolm, M. W. A. Holmes, and K. Rogers 313
Hyaline articular cartilage dissected by papain: light and scanning electron microscopy and micromechanical studies
Patricia O'Connor, Janet D. Brereton, and D. L. Gardner 320
Response of slowly adapting articular mechanoreceptors in the cat knee joint to alterations in intra-articular volume
L. Wood and W. R. Ferrell 327
Effects of D-penicillamine on growth and cell cycle kinetics of cultured rabbit articular chondrocytes
Patrick Jaffray, Xavier Ronot, Monique Adolphe, Janine Fontagne, and Paul Lechat 333
Systemic lupus erythematosus preceded by long-term cryoglobulinaemia
J. Perek, M. Mittelman, A. Eisbruch, and M. Djaldetti 339
Lateral subluxation of the atlas in rheumatoid arthritis: a case report and post-mortem study
N. Bogduk, G. A. C. Major, and J. Carter 341
Multiple tendon rupture in systemic lupus erythematosus: case report and review of the literature
Israel Potasman and Harry M. Bassan 347
Book reviews 127, 135, 145, 150, 156, 191, 263, 326
Correspondence 350
Notes 352

No. 3 JUNE, 1984

Frozen shoulder: prospective clinical study with an evaluation of three treatment regimens
D. Y. Bulgen, A. I. Binder, B. L. Hazleman, J. Dutton, and S. Roberts 353
Frozen shoulder: a long-term prospective study
A. I. Binder, D. Y. Bulgen, B. L. Hazleman, and S. Roberts 361
Frozen shoulder: an arthrographic and radionuclear scan assessment
A. I. Binder, D. Y. Bulgen, B. L. Hazleman, J. Tudor, and P. Wraight 365
Incidence of metabolic bone disease in rheumatoid arthritis and osteoarthritis
H. C. Ng, P. A. Revell, M. Beer, B. J. Boucher, R. D. Cohen, and H. L. F. Currey 370
Coeliac disease and rheumatoid arthritis
A. L. Parke, E. A. Fagan, V. S. Chadwick, and G. R. V. Hughes 378

Ankylosing spondylitis in North India: a clinical and immunogenetic study
Sanjeev Prakash, Narinder K. Mehra, Sneh Bhargava, Mahesh C. Vaidya, and Anand N. Malaviya 381

Nutritional status in patients with rheumatoid arthritis
M. Helliwell, E. J. Coombes, B. J. Moody, G. F. Batstone, and J. C. Robertson 386

Shoulder-hand syndrome and symmetrical arthralgia in patients with tubo-ovarian carcinoma
A. J. Taggart, J. M. I. Iveson, and V. Wright 391

Gout in South African blacks
G. M. Mody and P. D. Naidoo 394

Outcome of attempts to treat rheumatoid arthritis with gold, penicillamine, sulphasalazine, or dapsone
K. A. Grindulis and B. McConkey 398

Thrombokinetics in patients with rheumatoid arthritis treated with D-penicillamine
D. Thomas, A. S. Gallus, P. M. Brooks, R. Tampi, R. Geddes, and W. Hill 402

A controlled trial of antihypertensive therapy in systemic sclerosis (scleroderma)
James F. Fries, Cody Wasner, Jeffrey Brown, and Paul Feigenbaum 407

Some observations on the pharmacology of 'deep-heat', a topical rubifacient
A. J. Collins, L. J. Notarianni, E. F. J. Ring, and M. P. Seed 411

Temporal artery biopsy and corticosteroid treatment
M. C. Allison, and P. J. Gallagher 416

Effects of local administration of hydrocortisone on cartilage degradation in vivo
A. D. Sedgwick, Y. M. Sin, A. R. Moore, J. C. W. Edwards, and D. A. Willoughby 418

DMSO and colchicine therapy in amyloid disease
Morton A. Scheinberg, Jose Carlos Pernambuco, and Merryl D. Benson 421

Mononuclear phagocytes in rheumatoid arthritis: Fc-receptor expression by peripheral blood monocytes
S. D. Carter, J. T. Bourne, C. J. Elson, C. W. Hutton, R. Czudek, and P. A. Dieppe 424

Mechanisms of depressed delayed-type hypersensitivity in rheumatoid arthritis: the role of protein energy malnutrition
Paul Emery, Gabriel Panayi, Deborah Symmons, and Gill Brown 430

Enhanced bacterial phagocytosis by peripheral blood monocytes in rheumatoid arthritis
M. M. Steven, S. E. Lennie, R. D. Sturrock, and C. G. Gemmell 435

Haematuria in rheumatoid arthritis: an association with mesangial glomerulonephritis
L. D. Hordon, L. Sellars, A. R. Morley, R. Wilkinson, M. Thompson, and I. D. Griffiths 440

Circadian variation in biochemical assessments used to monitor rheumatoid arthritis
Nicola G. Sitton, Allister J. Taggart, Jonathan S. Dixon, Karen E. Surrall, and Howard A. Bird 444
Differences in immunochemical characteristics of cryoglobulins in rheumatoid arthritis and systemic lupus erythematosus and their complement binding properties
C. C. Erhardt, Pat Mumford, and R. N. Maini 451
Inhibition of natural killer cell activity by serum from patients with systemic lupus erythematosus: roles of disease activity and serum interferon
Steven R. Ytterberg and Thomas J. Schnitzer 457
Oxygen free-radicals mediate an inhibition of proteoglycan synthesis in cultured articular cartilage
Edna J. Bates, Dennis A. Lowther, and Christopher J. Handley 462
An immunohistological study of secondary Sjögren's syndrome
D. A. Isenberg, Deborah Rowe, A. Tookman, Ann Hopp, Meryl Griffiths, Elizabeth Paice, Jane Stewart, and P. C. L. Beverley 470
Morphology of human palmaris longus tendon
S. P. Nicholls, L. J. Gathercole, and J. S. Shah 477
Antibodies to cultured rat heart cells in sera of patients with rheumatoid arthritis
R. More, Z. Stern, Y. Galon, and A. Laufer 483
Studies on the clearance of calcium pyrophosphate crystals from facsimile synovium
Y. M. Sin, A. D. Sedgwick, A. Moore, and D. A. Willoughby 487
Yersinia arthritis: demonstration of occult enteritis by ^{111}indium leucocyte scanning
R. M. Bernstein, C. G. Mackworth-Young, S. H. Saverymutu, S. Gupta, J. P. S. England, and G. R. V. Hughes 493
Ischaemic colitis and immune complexes during gold therapy for rheumatoid arthritis
A. Wright, G. F. A. Benfield, and D. Felix-Davies 495
Multiple microcrystal deposition disease in a patient with systemic lupus erythematosus
Martín A. Rodríguez, Hernando Paul, Isaac Abadí, José R. Bravo, and Pedro Armas 498
Shoulder joint rupture and pseudothrombosis in rheumatoid arthritis
Julien P. de Jager and Anthony Fleming 503
Felty's syndrome associated with high levels of IgA rheumatoid factor
R. H. Withrington, I. Teitsson, M. H. Seifert, and H. Valdimarsson 505
Cryptococcal arthritis and cellulitis
Robert D. Bunning and Werner F. Barth 508
Gold nephropathy due to auranofin obscured by tolmetin pseudo-proteinuria
A. P. R. Wilson, P. J. Prouse, and J. M. Gumpel 511
Nephrotic syndrome and renal impairment associated with fenclofenac
L. Sellars, R. Wilkinson, A. R. Morley, and R. H. Salter 513
Pericardial mesothelioma presenting as systemic lupus erythematosus
L. McGuigan and A. Fleming 515

Listeria monocytogenes septic arthritis following intra-articular yttrium-90 therapy
A. P. R. Wilson, P. J. Prouse, and J. M. Gumpel 518
Scleroderma, primary biliary cirrhosis, and Sjögren's syndrome after cosmetic breast augmentation with silicone injection: a case report of possible human adjuvant disease
Y. Okano, M. Nishikai, and A. Sato 520
Parasitic arthritis induced by *Strongyloides stercoralis*
T. Akoğlu, I. Tuncer, E. Erken, A. Gürçay, F. L. Özer, and K. Özcan 523
Whipple's disease diagnosed at hip arthroplasty
M. Farr, C. A. Hollywell, C. J. Morris, G. R. Struthers, P. A. Bacon, and K. W. Walton 526
Fibre glass induced synovitis
Leslie G. Cleland, Barrie Vernon-Roberts, and Kym Smith 530
Book reviews 377, 385, 390, 397
Correspondence 535
Notes 540
Corrections 540

No. 4 AUGUST, 1984

Effect of high-dose methylprednisolone therapy on phagocyte function in systemic lupus erythematosus
S. H. Boghossian, D. A. Isenberg, G. Wright, M. L. Snaith, and A. W. Segal 541
Laminin and vascular proliferation in rheumatoid arthritis
D. L. Scott, M. Salmon, C. J. Morris, A. C. Wainwright, and K. W. Walton 551
Eosinophil cationic protein in inflammatory synovial effusions as evidence of eosinophil involvement
R. Hällgren, A. Bjelle, and P. Venge 556
Measures of functional ability (disability) in arthritis in relation to impairment of range of joint movement
Elizabeth M. Badley, Susan Wagstaff, and Philip H. N. Wood 562
Radiological changes in men and women with ankylosing spondylitis
J. T. Gran, G. Husby, M. Hordvik, H. Størmer, and Ø. Romberg-Andersen 570
Microvascular filtration in subjects with connective tissue disorders
J. C. W. Edwards and M. L. Snaith 576
Hypogammaglobulinaemia associated with gold therapy
A. K. L. So, S. A. Peskett, and A. D. B. Webster 581
Abnormal radionuclide liver scans in giant cell arteritis
J. Jones, M. V. Kyle, Brian L. Hazleman, and Philip Wraight 583
Serum amyloid A protein concentration in progressive systemic sclerosis (scleroderma)
Sydney R. Brandwein, Thomas A. Medsger, Jr., Martha Skinner, Jean D. Sipe, Gerald P. Rodnan, and Alan S. Cohen 586

Absence of impaired lymphocyte transformation to *Klebsiella* spp. in ankylosing spondylitis
T. Douglas Kinsella, Claire Lanteigne, Marvin J. Fritzler, and Raymond M. Lewkonia 590

Hashimoto's thyroiditis and polyarthritis: a possible subset of sero-negative polyarthritis
Nicole G. H. LeRiche and David A. Bell 594

Non-gouty arthritis in sickle cell disease: report of 37 consecutive cases
K. de Ceulaer, M. Forbes, D. Roper, and G. R. Serjeant 599

Employment in ankylosing spondylitis
L. E. McGuigan, H. H. Hart, P. J. Gow, B. L. Kidd, R. R. Grigor, and T. E. Moore 604

Pyogenic osteomyelitis presenting as an acute sterile arthropathy
Philip N. Platt and Ian D. Griffiths 607

Salivary scanning in rheumatoid arthritis with sicca syndrome
Julien P. De Jager, Daniel Choy, and Anthony Fleming 610

Epidemiological study of HLA and GM in rheumatoid arthritis and related symptoms in an open Dutch population
B. M. de Jongh, L. K. J. van Romunde, H. A. Valkenburg, G. G. de Lange, and J. J. van Rood 613

Intra-articular radioactive yttrium and triamcinolone hexacetonide: an inconclusive trial
Arthritis and Rheumatism Council Multicentre Radio-synoviorthesis Trial Group 620

Transmission electron microscopic identification of silicon-containing particles in synovial fluid, potential confusion with calcium pyrophosphate dihydrate and apatite crystals
Thomas Bardin, H. Ralph Schumacher, Juliette, Lansaman, Susan Rothfuss, and Antoine Dryll 624

Heparin modulates intracellular cyclic AMP in human trabecular bone cells and adherent rheumatoid synovial cells
A. J. Crisp, M. S. Roelke, S. R. Goldring, and S. M. Krane 628

Chemical changes of human knee joint menisci in various stages of degeneration
Jurgen Herwig, Eberhard Egner, and Eckhart Buddecke 635

Surfactants identified in synovial fluid and their ability to act as boundary lubricants
B. A. Hills and B. D. Butler 641

Amyloidosis and systemic lupus erythematosus
Martin G. Ridley, Peter J. Maddison, and Colin R. Tribe 649

Use of anti-idiotypic antibodies to demonstrate rheumatoid factor producing bone marrow cells in essential mixed cryglobulinaemia
A. E. Gharavi, G. Campion, and G. R. V. Hughes 651

Anaplastic myeloma in systemic lupus erythematosus
R. C. Butler, S. M. Thomas, J. M. Thompson, and A. C. S. Keat 653

A pitfall in purulent arthritis brought out in *Kingella kingae* infection of the knee
I. Salminen, R. von Essen, K. Koota, and A. Nissinen 656

Arthritis of the middle ear in ankylosing spondylitis
M. Magarò, G. Ceresia, and A. Frustaci 658
Book reviews 550, 585, 623, 659
Conference report. Assessment and treatment of bone disease 660
Correspondence 661
Notes 664

No. 5 OCTOBER, 1984

Heberden Oration: HLA as regulator
J. J. van Rood 665
Prospective study of early rheumatoid arthritis. I. Prognostic value of IgA rheumatoid factor
Ingvar Teitsson, R. H. Withrington, M. H. Seifert, and Helgi Valdimarsson 673
Prospective study of early rheumatoid arthritis. II. Association of rheumatoid factor isotypes with fluctuations in disease activity
R. H. Withrington, Ingvar Teitsson, Helgi Valdimarsson, and M. H. Seifert 679
Clinical judgment in rheumatoid arthritis. III. British rheumatologists' judgment of 'change in reponse to therapy'
J. R. Kirwan, D. M. Chaput de Saintonge, C. R. B. Joyce, and H. L. F. Currey 686
Clinical judgment in rheumatoid arthritis. IV. Rheumatologists' assessments of disease remain stable over long periods
J. R. Kirwan, and H. L. F. Currey 695
Free thiomalate levels in patients with rheumatoid arthritis treated with disodium aurothiomalate: relationship to clinical outcome of therapy
S. R. Rudge, D. Perrett, and A. J. Swannell 698
Characteristics of spontaneously proliferating mononuclear cells in rheumatoid arthritis
Karin Froebel, Robina Dickson, D. Lewis, M. K. Jasani, and R. D. Sturrock 703
The presence of abnormal lysosomes in lymphocytes and neutrophils during chloroquine therapy: a quantitative ultrastructural study
Carolyn J. P. Jones, Richard S. Salisbury, and Malcolm I. V. Jayson 710
Rheumatological manifestations of infective endocarditis
Ph Thomas, J. Allal, D. Bontoux, F. Rossi, J. Y. Poupet, J. P. Petitalot, and B. Becq-Giraudon 716
Fibrin(ogen)olysis in polymyalgia rheumatica and temporal arteritis: preliminary findings on association with disease activity
Rafael G. Grau, Stuart S. Kassan, John J. Franks, Herbert Kaplan, Strother H. Walker, and Eng M. Tan 721
Antibodies to peptidoglycan in patients with spondylarthritis: a clue to disease aetiology?
Hydow Park, H. Ralph Schumacher, Allen R. Zeiger, and James T. Rosenbaum 725

Effects of immune complexes from SLE patients on human monocyte locomotion and Fc receptor function
Katalin Lukacs, Maria Kavai, Aniko Banyai, Ildiko Sonkoly, Eva Vegh, Gyongyi Szabo, and Gy. Szegedi 729
Histopathological and ultrastructural studies of synovium in Milwaukee shoulder syndrome—a basic calcium phosphate crystal arthropathy
Paul B. Halverson, John C. Garancis, and Daniel J. McCarty 734
Synovial fluid lactate levels in septic and non-septic arthritides
C. Gobelet and J. C. Gerster 742
Anticardiolipin antibodies: occurrence in Behçet's syndrome
R. G. Hull, E. N. Harris, A. E. Gharavi, A. Tincani, R. A. Asherson, G. Valesini, A. M. Denman, G. Froude, and G. R. V. Hughes 746
Immunisation of guinea-pigs with circulating immune complexes from patients with rheumatoid arthritis
C. E. Hack, H. G. Lim, and R. C. Aalberse 749
Technique-related variation in results of FANA tests
Pornthita Chaiamnuay, Carol Johnston, Janet Maier, and Anthony S. Russell 755
Calcifying supracoracoid bursitis as a cause of chronic shoulder pain
J. Mens and J. K. van der Korst 758
The lupus anticoagulant, pulmonary thromboembolism, and fatal pulmonary hypertension
N. E. Anderson and M. R. Ali 760
Transient Brown's syndrome in juvenile chronic arthritis
A. S. Kemp, Cathie Searle, and Susan Horne 764
Book review 766
Correspondence 766
Notes 768

No. 6 DECEMBER, 1984

Bone and joint symptoms in Paget's disease
J. Winfield and T. C. B. Stamp 769
Decreased plasma fibrinolysis in patients with rheumatoid arthritis
J. J. F. Belch, B. McArdle, R. Madhok, K. McLaughlin, H. A. Capell, C. D. Forbes, and R. D. Sturrock 774
Synovitis with non-specific histological changes in synovium in chronic sarcoidosis
David G. Palmer and H. Ralph Schumacher 778
Influence of age of onset and patient's sex on the prevalence and severity of manifestations of Behçet's syndrome
H. Yazici, Y, Tüzün, H. Pazarli, S. Yurdakul, Y. Özyazgan, H. Özdoğan, S. Serdaroğlu, M. Ersanli, B. Y. Ülkü, and A. Ü. Müftüoğlu 783
The timing of prednisolone dosage and its effect on morning stiffness in rheumatoid arthritis
M. de Silva, A. Binder, and B. L. Hazleman 790

Clinical and serological comparison of 17 chronic progressive systemic sclerosis (PSS) and 17 CREST syndrome patients matched for sex, age, and disease duration
Daniel E. Furst, Philip J. Clements, Marwan Saab, Mildred G. Sterz, and Harold E. Paulus 794
Human articular cartilage and fibrocartilage: A study with high angle *x*-ray diffraction
G. Albiser, P. Netter, G. Faure, P. Horn, J. P. Delagoutte, and A. Gaucher 802
Bilharzial arthropathy
M. Bassiouni and M. Kamel 806
Brucellosis and rheumatic syndromes in Saudi Arabia
Walter L. Norton 810
Pressures under normal feet in standing and walking as measured by foil pedobarography
D. W. Grieve and T. Rashdi 816
Characterisation of centromere (kinetochore) antigen reactive with sera of patients with a scleroderma variant (CREST syndrome)
M. Nishikai, Y. Okano, H. Yamashita, and M. Watanabe 819
Systemic lupus erythematosus and invasive thymoma: report of two cases
M. M. Steven, M. L. Westedt, F. Eulderink, H. M. Hazevoet, J. H. Dijkman, and A. Cats 825
Trauma and Reiter's syndrome: development of 'reactive arthropathy' in two patients following musculoskeletal injury
Jeffrey J. Wisnieski 829
Differential responses of human articular cartilage to retinol
Ronald W. Jubb 833
Inhibition of prostaglandin action and bone resorption by copper
J. M. Katz, S. J. M. Skinner, T. Wilson, and D. H. Gray 841
Lymphoid abnormalities in rats with adjuvant-induced arthritis. I. Mitogen responsiveness and lymphokine synthesis
Steven C. Gilman, John F. Daniels, Robert E. Wilson, Richard P. Carlson, and Alan J. Lewis 847
Book reviews 793, 809
Correspondence 856
Notes 858
Index 859